

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE N/A	PAGE 1 OF 63
2. AMENDMENT/MODIFICATION NO. 0003	3. EFFECTIVE DATE NOV. 25, 2003	4. REQUISITION/PURCHASE REQ. NO. N/A	5. PROJECT NO. (If applicable) SPEC. NO. 1319_1320	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other than Item 6) CODE		
DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, SACRAMENTO SACRAMENTO, CALIFORNIA 95814-2922		DEPARTMENT OF THE ARMY U.S. ARMY ENGINEER DISTRICT, SACRAMENTO SACRAMENTO, CALIFORNIA 95814-2922		

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)		(✓)	9A. AMENDMENT OF SOLICITATION NO. W91238-04-R-0002
		×	9B. DATED (SEE ITEM 11) OCT. 30, 2003
			10A. MODIFICATION OF CONTRACTS/ORDER NO. N/A
			10B. DATED (SEE ITEM 13) N/A
CODE	FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
N/A

NOTE: ITEM 13 BELOW IS N/A.

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(✓)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. N/A
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority) N/A

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
Global Hawk Dormitory and Working Dog Kennel
Beale AFB, CA

2 Encl

1. Revised Pages: Table of Contents, SF 1442 (2 pages), Front End (Pages; 25, 91, 210, 213), 01010-4, 01010-5, 01010-87, 01010-88, Section 01012(Replaces existing in its entirety), Section 01120(New), Section 01320 (for Spec. No. 1319-Replaces existing Section in its entirety), 01505-9, 01505-10, 01505-12, 02220-4, 02220-7

2. Revised Drawing: C1.10 (.pdf format)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY (Signature of Contracting Officer)	

**VOLUME 1 of 3
BID DOCUMENTS AND DIVISION 01
FOR 2 PROJECTS**

**GLOBAL HAWK DORMITORY &
MILITARY WORKING DOG KENNEL (RELOCATION)**

BEALE AFB, CALIFORNIA

TABLE OF CONTENTS

001	Cover Sheet	
002	Table of Contents	
003	SF 1442	
004	Pricing Schedule 0001	(1319 DORM ONLY)
005	Pricing Schedule 0002	(1320 KENNEL ONLY)
006	Section 00100	
007	Section 00110	(1319 DORM ONLY)
008	Section 00120	(1319 DORM ONLY)
009	Section 00600	
010	Section 00700	
011	Section 00800	

012 ATTACHMENTS:

1	General Wage Decision	
2	PreAward Data	
3	Sample Subcontracting Plan	
4	NOT USED	
5	Drawing List	
6	Drawing Format	(1319 DORM ONLY)
7	Sustainable Project Rating Tool Master Blank Document	
8	NOT USED	
9	Contractor Prepared As-Builts	
10	MILCON Project Closeout (Red Zone Meeting)	

013 TECHNICAL SPECIFICATIONS

DIVISION 01

01010	GENERAL PROJECT DESCRIPTION AND DESIGN REQUIREMENTS	(1319 DORM ONLY)
01011	SPECIFIC TECHNICAL ENGINEERING AND DESIGN CRITERIA	(1319 DORM ONLY)
01012	DESIGN AFTER AWARD	(1319 DORM ONLY)
01120	WORK PHASE SUMMARY	
01312	QUALITY CONTROL SYSTEM (QCS)	
01320	PROJECT SCHEDULE	(1319 DORM ONLY)
01320	PROJECT SCHEDULE	(1320 KENNEL ONLY)
01330	SUBMITTAL PROCEDURES	
01355	ENVIRONMENT PROTECTION	
01415	METRIC MEASUREMENTS	
01420	SOURCES FOR REFERENCE PUBLICATIONS	
01451	CONTRACTOR QUALITY CONTROL	
01500	TEMPORARY CONSTRUCTION FACILITIES	
01505	GENERAL REQUIREMENTS	
01600	MATERIAL AND EQUIPMENT (BEALE AFB)	
01670	RECYCLED / RECOVERED MATERIALS	
01700	CONTRACT CLOSEOUT	

SOLICITATION, OFFER, AND AWARD <i>(Construction, Alteration, or Repair)</i>										
OFFER (Must be fully completed by offeror)										
14. NAME AND ADDRESS OF OFFEROR <i>(Include ZIP Code)</i>						15. TELEPHONE NO. <i>(Include area code)</i>				
						16. REMITTANCE ADDRESS <i>(Include only if different than Item 14)</i>				
CODE		FACILITY CODE				17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. <i>(Insert any number equal to or greater than the minimum requirements stated in Item 13D. Failure to insert any number means the offeror accepts the minimum in Item 13D.)</i>				
AMOUNTS		SEE SCHEDULE OF PRICES								
18. The offeror agrees to furnish any required performance and payment bonds.										
19. ACKNOWLEDGMENT OF AMENDMENTS <i>(The offeror acknowledges receipt of amendments to the solicitation -- give number and date of each)</i>										
AMENDMENT NO.										
DATE										
20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER <i>(Type or print)</i>						20B. SIGNATURE			20C. OFFER DATE	
AWARD (To be completed by Government)										
21. ITEMS ACCEPTED:										
22. AMOUNT		23. ACCOUNTING AND APPROPRIATION DATA								
24. SUBMIT INVOICES TO ADDRESS SHOWN IN <i>(4 copies unless otherwise specified)</i>				ITEM		25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO <input type="checkbox"/> 10 U.S.C. 2304(c) <input type="checkbox"/> 41 U.S.C. 253(c)				
26. ADMINISTERED BY		CODE				27. PAYMENT WILL BE MADE BY: CODE				
CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE										
<input type="checkbox"/> 28. NEGOTIATED AGREEMENT <i>(Contractor is required to sign this document and return _____ copies to issuing office.)</i> Contractor agrees to furnish and deliver all items or perform all work, requisitions identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications or incorporated by reference in or attached to this contract.						<input type="checkbox"/> 29. AWARD <i>(Contractor is not required to sign this document.)</i> Your offer on this solicitation, is hereby accepted as to the items listed. This award consummates the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.				
30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN <i>(Type or print)</i>						31A. NAME OF CONTRACTING OFFICER <i>(Type or print)</i>				
30B. SIGNATURE			30C. DATE			TEL:		EMAIL:		
						31B. UNITED STATES OF AMERICA BY		31C. AWARD DATE		

[COMMENT1]*CURRENT CHANGES:* (THIS IS THE ONLY COMMENT IN THIS SECTION)

01-06-97 DELETE EVALUATION PREFERENCE FOR SDB CONCERNS AND
BID ITEM FOR BONDS PER MESSAGE FROM WANDA

Filename: 1319pd2.doc
Directory: C:\Data_PROJECT LOCATIONS\BEALE
AFB\1320_DORM_DOG_KENNEL\EBS\specs
Template: C:\Documents and Settings\ghill\Application
Data\Microsoft\Templates\Normal.dot
Title:
Subject:
Author: LSprague
Keywords:
Comments:
Creation Date: 10/14/2003 1:24 PM
Change Number: 50
Last Saved On: 11/25/2003 11:13 AM
Last Saved By: Hill
Total Editing Time: 566 Minutes
Last Printed On: 11/25/2003 2:33 PM
As of Last Complete Printing
Number of Pages: 213 (approx.)
Number of Words: 80,900 (approx.)
Number of Characters: 461,134 (approx.)

SECTION 00110

PROPOSAL SUBMISSION REQUIREMENTS AND INSTRUCTIONS

1. REQUIREMENT FOR SEPARATE PRICE AND TECHNICAL PROPOSALS

- a. Each Offeror must submit both a Price Proposal and a Technical Proposal. The Price Proposal and the Technical Proposal must be submitted as separate, physically distinct volumes. Both the Price Proposal and the Technical Proposal must be received by the closing date and time set for receipt of proposals.
- b. No dollar amounts from the Price Proposal are to be included in the Technical Proposal, except as expressly required under Factor 5, Socio-Economic Considerations.
- c. All information intended by the Offeror to be evaluated as part of the Technical Proposal must be submitted as part of the Technical Proposal. Do not merely cross-reference similar material from the Price Proposal.

2. ORAL PRESENTATIONS

The Government reserves the right to require oral presentations for this solicitation as part of discussions, if the Government is unable to make award based on the initial offers. If the Government enters into discussions, and if oral presentations will be required as part of those discussions, the details and instructions pertaining to the oral presentations will be provided to all Offerors determined to be in the competitive range after discussions are opened. Presentations that occur during the discussion process following the establishment of the competitive range will be controlled by the negotiation rules in FAR Part 15.

3. GENERAL INSTRUCTIONS

- a. Submit only typed/printed hard-copy paper documents unless specifically authorized elsewhere in this section. All submissions must be clearly legible.
- b. Use only 8 ½ by 11 inch paper, unless another size is specifically authorized elsewhere in this section for a particular submission. Do not use ~~8 ½" x 11"~~ 11"x17" sheets (e.g., fold-outs) unless specifically authorized in this section for a particular submission. Do not use a font size smaller than 10, an unusual font style such as script, or condensed print for any narrative submission. Smaller font sizes may be used for non-narrative submissions (e.g., charts, graphs, etc.) as long as the text is clearly legible. All page margins must be at least 1 inch wide. Do not justify the right margin.
- c. The preferred method for assembling your proposals is to use three-ring binders. However, the use of pressboard or other report covers with compression or other type fasteners is acceptable as long as you do not use spring clamps or exceed the recommended capacity of the fastener. Also, do not use plastic multi-hole/spiral binding systems, heat binding systems, or other systems which do not facilitate the ready insertion of additional pages.
- d. "Confidential" projects cannot be submitted to demonstrate capability unless all of the information required for evaluation as specified herein can nonetheless be provided to the Government as part of the Offeror's technical proposal. Offerors that include in their proposals information that they do not want disclosed to the public for any purpose, or used by the Government except for evaluation purposes, must be clearly marked in accordance with the instructions at FAR 52.215-1, "Instructions to Offeror—Competitive Acquisition", paragraph (3), "Restriction on disclosure and use of data".
- e. In the case of an Offeror that is part of a large, multi-segmented business concern, provide information directly pertaining to the specific segment of the business concern (i.e., the division, group, unit, etc.) that will perform work

Encl. 1 to Amend. 0003

52.211-10 COMMENCEMENT, PROSECUTION, AND COMPLETION OF WORK (APR 1984)

The Contractor shall be required to (a) commence work under this contract within 10 calendar days after the date the Contractor receives the notice to proceed, (b) prosecute the work diligently, and (c) complete the entire work ready for use not later than ~~660~~ **480 days** ~~(construct new Working Dog Kennel 240 calendar days, demolish existing Working Dog Kennel 120 calendar days, construct new Global Hawk Dormitory 300 calendar days) after receipt of notice to proceed.~~ **See Work Phase Summary, Section 01120 for description of work phases and durations.** The time stated for completion shall include final cleanup of the premises.
(End of clause)

52.211-12 LIQUIDATED DAMAGES--CONSTRUCTION (SEP 2000)

(a) If the Contractor fails to complete the work within the time specified in the contract, the Contractor shall pay liquidated damages to the Government in the amount of \$ 1,070.00 for each calendar day of delay until the work is completed or accepted.

(b) If the Government terminates the Contractor's right to proceed, liquidated damages will continue to accrue until the work is completed. These liquidated damages are in addition to excess costs of repurchase under the Termination clause.

(End of clause)

52.211-15 DEFENSE PRIORITY AND ALLOCATION REQUIREMENTS (SEP 1990)

This is a rated order certified for national defense use, and the Contractor shall follow all the requirements of the Defense Priorities and Allocations System regulation (15 CFR 700).

(End of clause)

52.215-2 AUDIT AND RECORDS--NEGOTIATION (JUN 1999)

(a) As used in this clause, "records" includes books, documents, accounting procedures and practices, and other data, regardless of type and regardless of whether such items are in written form, in the form of computer data, or in any other form.

(b) Examination of costs. If this is a cost-reimbursement, incentive, time-and-materials, labor-hour, or price redeterminable contract, or any combination of these, the Contractor shall maintain and the Contracting Officer, or an authorized representative of the Contracting Officer, shall have the right to examine and audit all records and other evidence sufficient to reflect properly all costs claimed to have been incurred or anticipated to be incurred directly or indirectly in performance of this contract. This right of examination shall include inspection at all reasonable times of the Contractor's plants, or parts of them, engaged in performing the contract.

(c) Cost or pricing data. If the Contractor has been required to submit cost or pricing data in connection with any pricing action relating to this contract, the Contracting Officer, or an authorized representative of the Contracting Officer, in order to evaluate the accuracy, completeness, and currency of the cost or pricing data, shall have the right to examine and audit all of the Contractor's records, including computations and projections, related to--

(1) The proposal for the contract, subcontract, or modification;

liable for the repair of any defects of material furnished by the Government nor for the repair of any damage that results from any defect in Government-furnished material or design.

- (j) This warranty shall not limit the Government's rights under the Inspection and Acceptance clause of this contract with respect to latent defects, gross mistakes, or fraud.

(End of Clause)

~~SEQUENCE OF DESIGN CONSTRUCTION - AUG 1997~~

~~(a) After receipt of the Contract Notice to Proceed (NTP) the Contractor shall initiate design, comply with all design submission requirements as covered under Division 01 General Requirements, and obtain Government review of each submission. No construction may be started, <with the exception of...clearing, etc...> until the Government reviews the Final Design submission and determines it satisfactory for purposes of beginning construction. The ACO or COR will notify the Contractor when the design is cleared for construction. The Government will not grant any time extension for any design resubmittal required when, in the opinion of the ACO or COR, the initial submission failed to meet the minimum quality requirements as set forth in the Contract.~~

~~(b) If the Government allows the Contractor to proceed with limited construction based on pending minor revisions to the reviewed Final Design submission, no payment will be made for any in-place construction related to the pending revisions until they are completed, resubmitted and are satisfactory to the Government.~~

~~(c) No payment will be made for any in place construction until all required submittals have been made, reviewed and are satisfactory to the Government.~~

~~(End of Clause)~~

CONSTRUCTOR'S ROLE DURING DESIGN - JUN 1998

The Contractor's construction management key personnel shall be actively involved during the design process to effectively integrate the design and construction requirements of this contract. In addition to the typical required construction activities, the constructor's involvement includes, but is not limited to actions such as: integrating the design schedule into the Master Schedule to maximize the effectiveness of fast-tracking design and construction (within the limits allowed in the contract), ensuring constructability and economy of the design, integrating the shop drawing and installation drawing process into the design, executing the material and equipment acquisition programs to meet critical schedules, effectively interfacing the construction QC program with the design QC program, and maintaining and providing the design team with accurate, up-to-date redline and as-built documentation. The Contractor shall require and manage the active involvement of key trade subcontractors in the above activities.

(End of Clause)

RECOMMENDED INSURANCE COVERAGE - MAR 2002

The Design-Build Contractor's attention is invited to the contract

(d.) Unless the Government initiates a change to the contract requirements, or the Government determines that the Government furnished design criteria are incorrect and must be revised, any Contractor initiated proposed change to the contract requirements, which results in additional cost, shall strictly be at the Contractor's expense.

(e.) The Contractor shall track all approved revisions to the reviewed and accepted design and shall incorporate them into the as-built design documentation, in accordance with agreed procedures. The Designer of Record shall document its professional concurrence on the as-builts for any revisions in the stamped and sealed drawings and specifications.

(End of Clause)

SPK 36-4010 SEQUENCE OF DESIGN-CONSTRUCTION (FAST TRACK) (HND UNDATED)

(a) After receipt of the Contract Notice to Proceed (NTP) the Contractor shall initiate design, comply with all design submission requirements as covered under Division 01 General Requirements, and obtain Government review of each submission. The contractor may begin construction on portions of the work for which the Government has reviewed the final design submission and has determined satisfactory for purposes of beginning construction. The ACO or COR will notify the Contractor when the design is cleared for construction. The Government will not grant any time extension for any design resubmittal required when, in the opinion of the ACO or COR, the initial submission failed to meet the minimum quality requirements as set forth in the Contract.

(b) If the Government allows the Contractor to proceed with limited construction based on pending minor revisions to the reviewed Final Design submission, no payment will be made for any in-place construction related to the pending revisions until they are completed, resubmitted and are satisfactory to the Government.

(c) No payment will be made for any in-place construction until all required submittals have been made, reviewed and are satisfactory to the Government.

(End of Clause)

SPK 36-4018 SUBMITTAL OF WORK TO BE PERFORMED BY THE CONTRACTOR (HND UNDATED)

The Contractor shall furnish the Contracting Officer within 10 days after the award the items of work he will perform with his own forces and the estimated cost of those items. The percentage of work that must be performed by the Contractor is stated in Contract Clause 52.236-1, "PERFORMANCE OF WORK BY THE CONTRACTOR"

(End of Clause)

2. SUMMARY DESCRIPTIONS

The Global Hawk Dormitory is a single 3,259 square meter (35,076 square foot), three story building designed as an integrated structure that supports the major Air Force objective of providing unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well-being. Room unit modules will conform to the new quad concept initiated in the latest Air Force Enlisted Dormitory Design Guide and will provide private sleeping and bathroom accommodations for each resident with a shared central social space, kitchen, and laundry. The facility will house 96 occupants. Interior construction will be gypsum board dry wall, CMU walls, and gypsum board and acoustical ceilings. Room unit modules will be accessed by an exterior balcony and stairs. The facility will have load bearing, split face CMU walls, precast concrete plank with concrete topping floors and decorative stucco panels with standing seam metal roofs to emulate neighboring structures.

2.1 Proposed Siting Summary and Project Phasing. The new Global Hawk Dormitory is sited near the existing Military Working Dog Kennel and existing dormitory 24114. Due to the scope of this project, the Military Working Dog Kennel shall be relocated as indicated on separate drawings in this contract. The new Kennel has been completely designed to allow its immediate construction while design work on the Global Hawk Dormitory progresses. On completion of the new Kennel, following beneficial occupancy of the Military Working Dog unit, the existing Kennel building and training yards shall be demolished, and the site cleared in preparation for the construction of the new Global Hawk Dormitory. The project will include site grading and utility extensions as described hereinafter. A parking lot with entry/exit is designed for a minimum of 125 P.O.V.

2.1.1 Total Project Duration is 480 Calendar Days, see Work Phase Summary, Section 01120 for description of work phases and durations.

~~2.1.1 Construct new Military Working Dog Kennel: 240 Days Maximum~~

~~2.1.2 Demolish existing Military Working Dog Kennel: 120 Days Maximum~~

~~2.1.3 Design new Global Hawk Dormitory: Concurrent with parts 2.1.1 and 2.1.2~~

~~2.1.4 Construct new Global Hawk Dormitory: 300 Days Maximum~~

~~2.1.5 Total Project Calendar Days: 660~~

2.2 Building Construction Summary: This project will conform to ACC Architectural and Interior Design Standards and Force Protection Standards, and will be new construction featuring a three story design with split face CMU walls, rowlock course accent bands, and standing seam metal roofs. The building is organized into functional areas in an "L" shape to develop an exterior courtyard. At the apex of the "L", a common area will be provided on the first floor, with stacked supporting service rooms on the other two floors, including: manager's office, supply and bulk storage, elevator, common kitchen, vending and multipurpose space, and utility support systems.

2.3 Proposed Plan Relationship Summary: By virtue of its proposed location, and the functions housed within, circulation around and inside the building plays a key role in the development of its design and the overall appearance. A main balcony/corridor spine allows for easy access to the individual room unit modules arranged along the legs of the "L". Public, handicap accessible restrooms are centrally located in the ground floor Common Area. A full function kitchen is provided in the Common Area to support group activities and features full size cooktop stove and oven, dishwasher, and sink with garbage disposal. Exterior areas are developed in a courtyard created by the mass of this new building and the existing dormitories on site for extended indoor/outdoor morale building activities. All functions of the dormitory are located at the minimum required setbacks from adjacent parking lots for force protection.

3. DESCRIPTION OF OPERATIONS

The Global Hawk Dormitory will provide 96 unaccompanied enlisted personnel at Beale Air Force Base with 24 hour support of living/sleeping functions. Individual living/sleeping rooms and private bathrooms will accommodate varied work schedules while maintaining adequate privacy for all occupants. The structure shall function as a retreat from work and foster a higher quality of life aspect not previously achieved in earlier military housing concepts. The quad unit design will promote relationships among the occupants to the extent desired while providing privacy when interaction is not required. The kitchen will provide basic cooking and cleaning functions including a 4 burner cooktop and microwave, full size refrigerator/freezer and sink with garbage disposal. Dining will be accommodated by a curvilinear bar. Living/sleeping rooms will feature walk-in closets with adjustable shelves. An entry located laundry will provide full size washer and dryer for individual convenience. Finishes will be durable and easily maintained.

3.1 **Military Working Dog Kennel:** As a result of the construction of the new Global Hawk Dormitory, the existing Military Working Dog Kennel will be demolished and relocated near the base medical clinic. While the dormitory will be contracted as a Design-Build Request For Proposals (RFP), phasing of the project requires that a full design be provided for the Kennel by the US Army Corps of Engineers and is incorporated as a part of this document, so that construction of the new kennel can begin on contract award while the Dormitory is under design by the Contractor. ***Prior to occupancy of the new kennel, to facilitate fast track design build, the Contractor shall relocate the existing kennel training/exercise yard to a temporary site south of the existing kennel to allow for construction of the new dormitory's footings.*** Following beneficial occupancy of the new kennel, the existing kennel building will be demolished and construction started on the new Global Hawk Dormitory. The Kennel facility will include an office portion with support functions including offices, exam room, drug, tack and food storage rooms, kitchen, toilet with shower, bulk storage lockers, multipurpose space and utility rooms to support a 10 cage, indoor/outdoor kennel.

11. FIRE ALARM SYSTEM

11.1 References. (All NFPA references used shall be latest available edition)

1. MIL- HDBK-1008C (Military Handbook) - Fire Protection for Facilities, Engineering, Design and Construction (June 1997)
2. NFPA 72 - National Fire Alarm Code
3. NFPA 101 - Life Safety Code

11.2 Fire Alarm System.

11.2.1 Fire Alarm Panel. The fire panel shall be a microprocessor controlled, intelligent, addressable panel that is UL listed. Fire alarm initiating and indicating equipment shall be provided for this building. Initiating device circuits shall be capable of class D, signaling line circuits shall be capable of style 6 and notification appliance circuits shall be capable of style Z per NFPA 72. All initiating devices shall report to the facility's fire alarm control panel located in the electrical room. A smoke detector shall be placed above fire alarm control panel. A remote annunciator shall be located at the dorm manager's office. The fire alarm report printer shall be located next to the fire alarm panel in the electrical room. The control panel shall communicate with the base fire department's central receiving system via a Monaco radio transmitter. The existing central monitoring system is a Monaco D-21. The fire alarm transmitter system shall be compatible with Beale Air Force Base standard fire alarm system.

11.2.1.1 Manual Pull Stations. Manual pull stations shall be provided at each exit and where required by NFPA 101.

11.2.1.2 Tamper Switches. Tamper switches shall be provided for the Post Indicator Valve (PIV) and for each OS&Y control valve located throughout the facility. Separate initiating zones shall be provided for the following switches: PIV valve; OS&Y valves in riser room, each area's flow zone switch; elevator control valves.

11.2.1.3 Flow Indicator Switches. Flow indication switches, located throughout the facility shall be wired to the control panel.

11.2.1.5 Smoke Detectors. Smoke detection shall be provided in accordance with NFPA 72 and NFPA 101.

11.2.1.5.1 Duct Smoke Detectors. Smoke detection shall be provided for the main return duct from each air handler providing more than 2,000 cubic feet per min (56 cubic meters/min.). Smoke detection shall be provided for the main return and supply duct to each air handler providing more than 15,000 cubic feet per minute (424 cubic meters/min).

11.2.1.5.2 Smoke Damper Detectors. Smoke detection shall be provided for smoke dampers to close the related damper upon detector activation.

11.2.1.5.3 Sleeping Area Smoke Detectors. Provide stand-alone smoke detectors in *all* sleeping areas with supervision of tampering by fire alarm control panel. Tampering of smoke detectors shall generate a trouble signal at the fire alarm control panel that will be shown on the remote annunciator at dorm managers office.

11.2.1.5.4 Range Hood Fire Suppression. The range hood fire suppression system shall be interfaced w/ the fire alarm system such that upon activation of the hood fire suppression system the building fire alarm system will sound an alarm.

11.2.1.6 Notification Devices. Combination alarm horn/strobe units or strobe devices shall be located throughout the facility, in accordance with NFPA 72. *All sleeping rooms shall have a combination alarm horn/strobe unit provided in each room.* A weather-proof alarm bell shall be located on the wall outside of the sprinkler riser room. *The fire alarm system shall be designed such that the building mass notification system shall override the audible portion of the fire alarm system.*

11.2.2 Contractor Submittals. The contractor shall provide a complete shop drawings to include but not limited to the system's riser diagram, battery calculations, device layout and point wiring. The shop drawings shall be stamped by a Registered Fire Protection Engineer.

12. BUILDING SECURITY SYSTEM

12.1 Access Control System: The building shall be provided with an access control system consisting of card-readers, key-cards, key-card encoder, exit devices, magnetic door locks and software to be installed on a government furnished government installed computer.

12.1.1 Requirements: At all room modules and at all exterior doors to the facility, a swipe card reader shall be provided. Provide all electric locking hardware with the system. Provide 48 hour battery-backup power for the system.

12.2 Access Control Devices.

12.2.1 Provide the following items from SecurityBase.com (phone 1-800-616-0213) for the access control system:

Qty:	Item Part:	Item Description:
124	8525021D-2	626 Cylindrical Lock/Ilco core KA
500	HIC-F0850-BLAN	Non-encoded Key Cards
1	502839-2NA	Key Card Encoders
1	064-508674	Programming Module for Locks
1	135-509232-FCD	Software for windows
2	C85D121BN	Card Reader abd Controller (CRC)
2	62 12/24 VDC	Securitron Mag Lock (1200 lbs)
2	XMS	Securitron PIR Detector
2	EEB3N	Securitron Exit Delay Button
1	DM62	Securitron Duel Mag Lock (1200 lbs)

12.3 Closed Circuit Television: Provide conduit and RG-6 75 ohm coax cable homeruns from Dorm Manager Office to multi-purpose room and all main entries for government furnished government installed closed circuit TV system. Provide 120 volt power outlets at CCTV camera and central control unit locations.

12.4 Mass Notification System: *The new dorm shall be equipped with a building mass notification in accordance w/ UFC 4-021-01 and UFC 4-010-01. The mass notification system shall include control panel, speakers, strobes, message boards and building transceiver for interface with base-wide mass notification system and antenna for accepting signal from base wide system.*

12.4.1 Audible Notification Devices: *The audible notification devices shall be the speakers used for the PA system. The building mass notification system shall override any message being sent on public address system.*

12.4.2 Visual Notification Devices: *The visual notification devices shall consist of strobes and lighted textual devices. Strobes shall be unmarked and separate from the fire alarm system. Lighted textual devices shall have capability to display textual message.*

12.4.3 Autonomous Control Panel: *Provide control panel for new dorm in accordance with UFC 4-021-01.*

12.4.4 Transceiver: *Provide transceiver and antenna for interface with base-wide mass notification system. Transceiver must be compatible with base-wide mass notification system.*

SECTION 01012
DESIGN AFTER AWARD

SECTION 01012

DESIGN AFTER AWARD

1. SUBMISSION OF CONSTRUCTION DRAWINGS, SPECIFICATIONS AND DESIGN ANALYSES:

The contractor shall follow the design submission requirements as listed below. In addition, the contractor shall comply with other design submission requirements as listed and required in other areas of the RFP.

1.1. SUBMITTAL CERTIFICATIONS:

1.1.1. The Contractor shall certify in each design submittal (by cover letter on the respective submittal) that all items submitted in the documents (after construction award) comply with the contract. This certification shall be included on each sheet of the working drawings.

1.1.2. Every design submittal shall be accompanied with a letter from each sub-contractor/supplier having direct construction/materials/equipment defined within the submittal. The purpose of the letter is to bring together and coordinate the designers and the sub-contractors slated to accomplish the work and the suppliers of the material and equipment. Each sub-contractor and supplier shall briefly state their involvement in the preparation of the submittal, their proposed activity during the design-build contract associated with the contents of the submittal, and state the design is appropriate for their related field and appropriate for their capabilities/expertise. Each letter shall be on the sub-contractor's/supplier's letter head and signed by a principal of the firm.

1.2. The criteria specified in this Contract are binding contract criteria and in case of any conflict, after award, between the Contract and Contractor's submittals, the Contract will govern unless there is a written and signed agreement between the Contracting Officer and the Contractor waiving a specific requirement.

1.3. Deviations from the Contract technical requirements (shall be identified in the cover letter on the respective submittal) may be considered by the Government, and where appropriate, may be specifically approved by the Contracting Officer. Deviations from the Contract technical requirements shall not be assumed or considered approved unless specifically approved by the Contracting Officer in writing. Such deviations, when not specifically approved by the Contracting Officer or when subsequently found at any time during the contract, shall be corrected by the Contractor at no additional time or cost to the Government. It is the Contractor's responsibility to clearly note features/aspects in his design or construction that are deviations to the contract requirements. The Contractor shall not assume silence on these issues by the Government to be a sign of acceptance.

1.4. The Government has supplied minimal but sufficient topographic and geotechnical information to understand the basic site conditions. Additional topographic, final geotechnical and HAZMAT Evaluation information maybe required and is the responsibility of the Contractor and considered engineering services after contract award. These services shall be procured and paid for by the successful proposer; this information shall be the basis for design of the topographic features and controls for the project.

1.5. The Contractor shall verify field conditions that are significant, by field inspection, field exploration, and researching and obtaining all necessary as-built drawings and reproducing them for his/her own use, while discussing status with knowledgeable personnel. The information shall be reflected in the documents.

1.6. The Contractor shall coordinate meeting(s) with the Contracting Officer to further discuss the requirements herein. The meeting(s) shall be attended by the Air Combat Command, Base Civil Engineer Staff/Representative, and with the facility End-User. The Contractor has the responsibility to establish the design of the project in accordance with the contract. The meeting(s) is intended to allow the Contractor an opportunity to discuss, clarify, and obtain an understanding, in a face-to-face setting, on issues, opportunities, or mission restraints still in question. The spirit of this meeting is not intended to adjust the contract in any manner but rather to allow the Contractor/Customer relationship to begin and grow. This meeting can be associated with a partnering session or can be a stand-alone meeting but needs to occur early in the design

phase of the contract.

1.7. Not Used.

1.8. The drawing file numbers for this project are 131-25-1333 and 131-25-1334. The specification numbers are 1319 and 1320. The drawing file number for the topographic survey drawings is 131 -13-1345 and 131-13-1340 (to be located in the lower-right corner in the border; the -XXXX number shall continue to reside in the title block for the sheet). All drawings and all submittal documentation shall be digitized. Provide all digitized drawing deliverables in AutoDesk AutoCAD Release 2000i format and provide all other deliverables in MS WORD format. Media for deliverables shall be high-density floppy disk or Compact Disc. Floppy disks and/or compact discs shall be furnished in addition to hard copy drawings. Hard copy drawings shall be submitted in 22"X34" format (ANSI "D") or 11"X17" format (ANSI "B") per attached submittal distribution matrix and all shall have a drawing index. All drawings, whether "D" or "B" format, shall be clear and easily readable.

1.8.1 Hardcopy deliverables: Any necessary hardcopies of drawings shall be submitted in 22"X34" format (ANSI "D") or 11"X17" format (ANSI "B") and provided with an index of the enclosed drawings per the attached Submittal Distribution Tables. All drawings whether ANSI "B" or ANSI "D" shall be clear and readable.

1.8.2 Electronic deliverables: The A-E shall be responsible for design and drawings using computer-aided design and drafting (CADD) and delivering the vector drawings in AutoDesk AutoCAD CADD software, release 2000. The Government will only accept the final product for full operation, without conversion or reformatting, in the AutoDesk AutoCAD release 2000i format and on the target platform specified herein. The target platform is a Pentium 4, 1.6 GHz, 256 MB Ram, and 30 GB Hard Drive with Windows 2000 operating system.

1.8.2.1 Provide copies of the corrected final submittal electronic digital deliverables on CD-ROM to the Sacramento District per the attached Submittal Distribution Tables- upon direction from the Sacramento District Project Manager.

The copies of electronic digital deliverables on CD-ROM are as follows:

CD-ROM #1: Adobe Acrobat Portable Data Format (PDF) files of technical specifications and Computer-aided Acquisition and Logistic Support (CALS) CCITT Group 4 raster format files of AutoCAD drawings.

CD-ROM #2: SPECSINTACT files of technical specifications and indexed DWG files and all referenced files of AutoCAD drawings.

The latest edition of the Tri-Services A/E/C CADD Standards Manual **in AIA format** shall be used for specific guidance on CAD standards.

A documentation handbook shall be submitted with the electronic digital deliverables. This handbook should contain the specifics of the database, it's naming conventions, layering scheme, and all other pertinent information used to construct the database and needed to use the database.

1.8.3 AS-BUILT Drawings: As-built plans are completed sets of drawings with all amendment changes, modifications and details of construction as built and installed. Sets of As-Built Plans will be furnished as required to the using agency with instructions concerning their importance and maintenance for future reference and construction. A Master set of CADD files of the project drawing records will be retained at Sacramento District for a period of 5 years and then sent to the using agency. See Preparation of As-Built Drawings on CBBS <http://cbbs.spk.usace.army.mil/cbbs/library/AEGUIDE/aeguide.pdf> for specific drawing requirements of as-built drawings.

1.8.3.1 Provide copies of the As-built submittal electronic digital deliverables on CD-ROM to the Sacramento District per the attached Submittal Distribution Tables- upon direction from the Sacramento District Project Manager. The copies of electronic digital deliverables on CD-ROM are as follows:

CD-ROM #1: Adobe Acrobat Portable Data Format (PDF) files of operations and maintenance documents and

CALS CCITT Group 4 raster format files of AutoCAD As-built drawings.

CD-ROM #2: MS Word files of operations and maintenance documents and indexed DWG files and all referenced files of AutoCAD As-built drawings.

1.9. COMPLIANCE REVIEW CONFERENCES.

1.9.1. All compliance review (design review) conferences shall be held at Beale AFB; location on Base to be determined prior to each conference.

1.9.2. The contractor shall be represented at these review conferences by each design discipline and the construction manager as a minimum.

1.9.3. Each conference shall be planned to occur over a two-day period.

1.9.4. The Contractor shall prepare for and provide a briefing of the project to an Air Force audience during each compliance [J1]comment review conference. This briefing should focus on the functional and Customer mission related features of the project. The briefing should also focus on the architectural compatibility of the project as the project relates to the surrounding facilities. The briefing will occur within the two-day conference schedule. Project renderings, drawings, and project color boards, and computer software are the preferred briefing materials.

1.9.5. The Contractor shall prepare meeting minutes for each conference within ~~44~~ 7 calendars following each conference and email a copy to all attendees. The meeting minutes shall list all action items discussed along with taskings (Contractor or Gov't), all issues discussed with decisions, and latest schedule of upcoming events as a minimum.

1.10 DESIGN AND CONSTRUCTION SCHEDULE AND DESIGN SUBMITTAL REQUIREMENTS

1.10.1 As proposed by the successful Design-Build Contractor and as accepted by the Contracting Officer, this project shall follow ~~a normal method (construction starts after design is complete)~~ **the fast track method (concurrent design & construction allowed)** for design-build. All review comments for **a particular portion** of the work must be appropriately addressed and applicable construction techniques for unusual construction conditions must be properly defined and accepted. **Therefore,** ~~the~~ contractor shall begin construction **on portions** of the work after the Government has reviewed the final design submission and the contractor has satisfactorily addressed all Government review questions/concerns and the Contracting Officer provides authorization to proceed. If this **portion of the** work is sensitive to weather (heat, cold, rain, snow, or any other weather situation) or any other situation precluding normal construction techniques, the contractor shall also submit to the Contracting Officer a plan to conduct this work (referencing and following industry standards or more stringent government standards) for compliance review.

1.10.2 Every feature of the project must be fully designed prior to the start of the construction process. The contractor shall minimize the number of design submittals to no more than two (correction submittals not counted) unless approved by the Contracting Officer.

1.10.2.1 The following design grouping table describes the areas of design to be submitted. ~~The Foundations may be submitted concurrently with the site, Utilities & Communications Duct System upon approval of the Contracting Officer to maximize efficiency of the D-B contract.~~

MAJOR AREA / Submittals	1	2	3	4	5
Civil (Site and Utilities & Communications Duct System, etc)	60% 100%	100%			
Foundations Structural	60% 100%	100%			
Architectural/Interior Structural	60%	100%			
Mechanical/Electrical	60%	100%			

~~Where: 60% = 60% Design Complete Compliance Review Submittal in accordance with Section 3 Preliminary Design, Chapter III of the A-E Guide, Volume 1, General Instructions for Air Force Projects, Sacramento District.~~

100% = Design Complete, Fully Coordinated by Contractor, Ready to Build Compliance Review Submittal in accordance with Section 4 – Final Design, Chapter III of the A-E Guide, Volume 1, General Instructions for Air Force Projects, Sacramento District.

1.10.2.2 The contractor shall ensure every feature of the design is developed to a further design level and submitted for compliance review not more than ~~three~~ **two** times per the above schedule for compliance review submittals. Every project feature shall be submitted in 100% design complete (final) compliance review submittal.

1.10.3 The contractor shall have the freedom to establish the design and construction schedule within contract period of service.

1.10.3.1 The contractor shall include on the schedule a ~~35~~ **7** calendar day period for the government to conduct a compliance review for each submittal. The compliance review conference shall follow the compliance review period. The contractor shall include on the schedule a ~~44~~ **7** calendar day period for the government to conduct a backcheck review for design backcheck submittals. In addition contractor shall allow sufficient time for incorporating the comments in DrChecks and any additional backchecks that are necessary.

1.10.3.2 The contractor shall include on the schedule a 3[J2] calendar day period (1 day for travel 2 for meeting) for a compliance review conference related to each submittal; no meeting is required for backcheck submittals. These conferences shall not be scheduled during a weekend or holiday or on a day of the week that is adjacent to a day of a weekend or holiday. This typically will leave Tuesdays, Wednesdays, or Thursdays (except as holidays impact) for these conferences.

1.10.4 Each submittal shall be completed to the stage/level commensurate with the stage of completion, ~~i.e., 60%/100%, etc.~~ The 100% or final submittal for review shall be a required submittal. Each design submittal shall have all disciplines designed to a similar design completion level, ~~i.e., all disciplines at 60% complete.~~ All of these deliverables shall be stamped "For Compliance Review Only --- %"; and each sheet of the drawings shall also be stamped. The back check submittal(s), following the Government reviews of the 100 percent final submittal, shall be packaged and stamped "For Compliance Back Check Review Only - 100%; each sheet of the drawings shall be stamped.

1.10.5 The contractor shall ensure every feature of the design is developed to a further design level on subsequent submittals unless already fully designed on an earlier submittal. Every project feature shall be submitted in final form.

1.10.6 The contractor shall have the freedom to establish the design and construction schedule within the contract period of service.

1.10.7 Weather Days. See Section 0800.

1.10.8 The Contractor shall submit ~~two detailed schedules; one for the design activities and one for construction activities.~~ **a composite schedule to include the design and construction activities.**

1.10.9 The design schedule shall be submitted within the first ~~20~~ **15** calendar days after the date of Notice To Proceed. The design schedule shall include all activities associated with each respective phase.

1.10.10. The contractor shall submit the construction schedule not later than ~~90~~ **60** days prior to the desired start of the construction activities; which includes site work. The construction schedule shall contain all activities associated with the construction of the project, complete and useable for its intended purpose. Construction performance shall not begin until after a 15 calendar day period following the Contracting Officer acceptance of the construction schedule has occurred. Re-submittals due to Contractor controlled deficiencies will not constitute a time or cost change to the contract. The Contracting Officer will have ~~35~~ **7** calendar days

to conduct review and provide comments to the Contractor for the submittal and each re-submittal.

1.10.11 Each design submittal shall include a submittal register. This submittal register shall be developed commensurate with the level of the design submittal. SpecsIntact will generate the submittal register from the technical specifications. SpecsIntact Stand Alone Submittal Register program may also be used to generate a submittal register during design. The submittal register generated by RMS will be used during construction. The submittal register will be discussed in the RFP.

1.10.12 The construction submittal shall be stamped "For Construction" — each sheet of the drawings shall be stamped with this statement. In addition, the contractor shall identify, for approval, the Designer of Record for each area of work. One Designer of Record may be responsible for more than one area. All areas of design disciplines shall be accounted for by a listed, registered Designer of Record. The Designer(s) of Record shall stamp, sign, and date all design drawings under their responsible discipline at each design submittal stage.

1.10.13 Each submittal shall include the drawings, specifications and design analysis including calculations along with other requirements as noted herein and in attachments.

1.10.14 The Contractor shall use the Unified Federal Guide Specification (UFGS) system to develop the specifications of the design.

1.11 COMPLIANCE REVIEW COMMENTS

1.11.1. Not Used.

1.11.2 Automated review management system: All review comments shall be processed via the Government program called DrChecks. Copies of comments will be made available to all parties before or during the review conference. Unresolved comments/issues at the conference shall be resolved by immediate follow-on action. Valid comments shall be incorporated. The Contractor shall annotate the DrChecks file prior to the next design submittal.

1.11.3 Assistance with DrChecks can be received by calling Ms. Laura Haven, DrChecks Administrator, (916) 557-7651. The Contractor will need to contact Ms. Haven to register and receive a login and password.

1.11.4 The design documents will not be considered 100% complete and ready for construction, until all comments for correction have been incorporated to the Governments satisfaction and further back check reviews are deemed no longer necessary. Review comments for correction will be based on compliance with the RFP document requirements.

1.12 COLOR BOARDS Color boards shall be prepared in accordance with the following:

1.12.1 Color Boards shall be submitted in a standard 216mm x 280mm (8-1/2"x11") three-ring binder. Number of color boards shall be as called for in the distribution matrix. Where special finishes such as carpet or pre-finished textured metal panels are required, samples not less than 203mm x 254mm (8"x10") shall be submitted with the boards.

1.12.2 Actual material samples shall be displayed showing color, texture, pattern, finish, thickness, etc., for all appearance/finish related materials to be used in the construction. These samples shall be large enough to indicate true patterns. However, care should be taken to present materials in proportion to that which will actually be installed in a given situation. Samples shall be organized by color schemes with a separate sample for each scheme. Each scheme shall be coordinated by room name and number and shall be shown on the architectural floor plans. Color shall be labeled with generic color names.

1.12.3 The color board(s) shall consist of all samples mounted on a mat board or equivalent for structural stability.

1.12.4 Project title and location (base) shall occur in the lower right-hand corner of each board.

1.12.5 The exterior and interior material color boards shall be submitted at the ~~60%~~ **100%** design stage. If the color board is not accepted, the required changes shall be made and the color board resubmitted ~~at the 100% design stage~~. The resubmittal shall be a complete color board of all the exterior and interior materials. The color boards will not be returned to the contractor.

1.13 Presentation Drawings. The contractor shall provide with the ~~60%~~ **100%** design submittal a colored/rendered building elevation presentation drawing per the distribution matrix. The building's exterior elevations shall be shown and the drawings should reflect a realistic representation of the facility. The drawings shall be 22"X34" (ANSI "D"). The contractor shall also provide with the ~~60%~~ **100%** design submittal a colored/rendered site plan presentation drawing per the distribution matrix. The drawings shall be 22"X34" (ANSI "D") and similar to the RFP site plan and clearly show the building roof, all new landscaping, sidewalks, site improvements, parking spaces, and roads. Provide an electronic CADD or TIF file of the Presentation Drawings per the attached Submittal Distribution Tables at the ~~60%~~ **100%** design; these shall be resubmitted ~~at the 100% design submittal~~ if there are revisions to the drawings.

1.14 ENVIRONMENTAL PERMITS: Contractor shall pay for and obtain all permits required for the successful execution of this project. Submittal of the Environmental Permits to the Regulatory Agencies shall be accomplished with coordination of the Contracting Officer and the Beale AFB Environmental Shop.

1.15 SUSTAINABLE DESIGN: The Contractor shall comply with the sustainable design requirements of the RFP. The minimum required level of performance shall be as scored on the LEED Green Building Rating System, Version 2, US Green Building Council.

1.16 ANTITERRORISM/FORCE PROTECTION: Compliance with the RFP stated requirements would ensure antiterrorism/force protection would be satisfied.

1.17 CONTRACT DOCUMENTS PREPARATION: The Contractor shall prepare all drawing documents in AutoDesk AutoCAD Release 2000. The design drawings and technical specifications shall be dimensioned and specified using metric units per USAF ETL 94-8. Use the following web sites for this list of USAF ETL's:[J3]

- <http://www.ccb.org/html/home.html>
- <http://www.afcesa.af.mil/Publications>

1.18 PERMITS/AUTHORIZATION TO CONSTRUCT CHECKLIST: The Contractor shall submit a list of permits that are required for this project; the list shall include all federal, state, local and Beale AFB permits required by the task order and contract, required as a result of the contractor's design, and permits required by Beale AFB. The checklist shall include the type of permit, the party responsible for obtaining the permit, and the permitting agency. The list shall be submitted to the Contracting Officer 14 days prior to the start of construction. The list shall be utilized as a Quality Control tool. The following list is provided as a reference:

PERMITS/AUTHORITY TO CONSTRUCT CHECKLIST

PERMIT/AUTHORITY TO CONSTRUCT	RESPONSIBLE PARTY TO OBTAIN PERMIT	PERMITTING AGENCY
Dust Permit	Contractor	Feather River Air Quality Management Board
Trench over 100 feet long and two feet deep?	Contractor	
Over ¼ acre disturbed (10,890 sq. ft.)	Contractor	
Storm Water Discharge Permit (NPDES)	Contractor	Feather River Air Quality Management Board
Boiler Operating Permit	Contractor	Feather River Air Quality Management Board

Authority to Construct (Air Pollution Control)	Contractor	Feather River Air Quality Management Board
a. Boilers	Contractor	
b. Cooling Towers (open drift)	Contractor	
c. Cyclones	Contractor	
d. Fuel Burning Equipment	Contractor	
e. Fuel Dispensing Equipment	Contractor	
f. Fuel Storage Tanks	Contractor	
g. Screens (gravel)	Contractor	
h. Asphalt Batch Plant	Contractor	
i. Rock Crusher	Contractor	
j. Quarry (Borrow Pit)	Contractor	
k. Paint Booths	Contractor	
Asbestos		Feather River Air Quality Management Board or Department of Environmental Protection
a. ACM Survey	Contractor	
b. Demolition Permit	Contractor	
Lead Based Paint		Feather River Air Quality Management Board or Department of Environmental Protection
a. LBP Survey	Contractor	
b. Demolition Permit	Contractor	
PCB	Contractor	Feather River Air Quality Management Board or Department of Environmental Protection
Back Flow Prevention	Contractor	
Sewerage System		
a. Food Preparation Greasetraps	Contractor	
b. Septic System (permit)	Contractor	
Plants and Landscaping	Contractor	
Refrigerants and other Ozone Depleting Chemicals	Contractor	Feather River Air Quality Management or Department of Environmental Protection
Landfills	Contractor	
Hazardous Materials	Contractor	Feather River Air Quality Management Board or Department of Environmental Protection

Sprinkler Systems	Contractor	
Automated Fire Fighting Foam (AFFF) Systems	Contractor	
Recycled Materials	Contractor	
Restoration Sites	Contractor	
Historical and Archaeological Sites (Cultural Resources)	Contractor	
Presence of Protected Plant and Animal Species	Contractor	
Presence or Creation of a Wetland	Contractor	
Radon	Contractor	
AICUZ	Contractor	
Electromagnetic Fields	Contractor	
Drinking Water Sources (Wellhead Protection)	Contractor	
Burn Permit/Welding Permit	Contractor	Beale AFB
Digging Permits	Contractor	Beale AFB

2. TRANSMITTAL TO GOVERNMENT AGENCIES:

2.1 SUBMITTAL DISTRIBUTION REQUIREMENTS *

TITLE: GLOBAL HAWK DORMITORY **LOCATION:** BEALE AFB, CA
FY: 04 **PROJ NO.:** BAEY051001

1st Round Design Submittal for Each Project Feature (60% Quality/Compliance Assurance Review Submittal)	M A J	D I S T	D I S T		D A	C U S T	C O N S	B C E	R E S	T C X P	T C X F	C E D				
	4	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
60% DRAWINGS (ANSI "B")	3				10		4	12	2							
60% DRAWINGS (ANSI "D")					2		1	1	1							
DESIGN ANALYSIS W/CALCULATIONS	3				10		2	12	2							
Specifications/Catalog Cuts	3				10		4	12	2							
Electronic Files of Drawings (Reference Para 1.8 for Electronic Deliverables)	4				10			1	1							
Draft 1354 and Real Property Form					2			1	1							
Environmental Deliverables	2	1			1			1	1							
Presentation Drawings (ANSI "D") & Note para 1.13 for electronic CADD/TIF file submittal	4				2			3	1							
COVER LETTER CERTIFICATION	1	1			1			1	1							
KEY SUBS/CONSULT'S LETTER OF INVOLVEMENT	2	1			2			1	1							
SUBS/SUPPLIERS CERTIFICATION LETTERS (SET)	1				2			1	1							
SUBMITTAL REGISTER	1				2			1	1							
COLOR BOARDS (EXTERIOR ONLY)	1				2			2	1							
DrChecks File in DrChecks System	1				2		1	1	1							

2nd 1st Round Design Submittal for Each Project Feature- Civil and Structural (100% Quality/Compliance Assurance Review Submittal)	M A J	D I S T	D I V		DA	C U S T	C O N S	B C E	R E S	T C X P	T C X F	G E O				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Final DRAWINGS (ANSI "B")	3	2			10		4	12	2							
Final DRAWINGS (ANSI "D")	1				2		1	1	1							
SPECS/CATALOG CUTS	3				10		4	12	2							
DESIGN ANALYSIS WITH CALCULATIONS	3				10		2	12	2							
Environmental Deliverables	2				1		1	1	1							
Presentation Drawings (ANSI "D") & Note para. 1.13 for electronic CADD/TIF file submittal	1				2			3	1							
DRAFT DD FORM 1354 AND REAL PROPERTY FORM					1			1	2							
Electronic Files of Drawings (Reference Para 1.8 for Electronic Deliverables)	1				10			1	1							
SUBMITTAL REGISTER	1				2			1	1							
Electronic Word Processing Files of all Other Documents	1				2			1	1							
COVER LETTER CERTIFICATION	1				2			1	1							
KEY SUBS/CONSULT'S LETTER OF INVOLVEMENT	1	4			1			1	1							
SUBS/SUPPLIERS CERTIFICATION LETTERS (SET)	1				2			1	1							
DRCHECKS FILE ANNOTATED (IN DRCHECK SYSTEM)	1				2			1	1							
COLOR BOARDS (INTERIOR & EXTERIOR) (Reference Para 1.12.5)	1				2			2	1							

2nd Round Design Submittal for Each Project Feature- Architectural/Mech/Elect (100% Quality/Compliance Assurance Review Submittal)	M A J	D I S T	D I V		DA	C U S T	C O N S	B C E	R E S	T C X P	T C X F	G E O				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Final DRAWINGS (ANSI “B”)	3				10		4	12	2							
Final DRAWINGS (ANSI “D”)	1				2		1	1	1							
SPECS/CATALOG CUTS	3				10		4	12	2							
DESIGN ANALYSIS WITH CALCULATIONS	3				10		2	12	2							
DRAFT DD FORM 1354 AND REAL PROPERTY FORM					1			1	2							
Electronic Files of Drawings (Reference Para 1.8 for Electronic Deliverables)	1				10			1	1							
SUBMITTAL REGISTER	1				2			1	1							
Electronic Word Processing Files of all Other Documents	1				2			1	1							
COVER LETTER CERTIFICATION	1				2			1	1							
KEY SUBS/CONSULT’S LETTER OF INVOLVEMENT	1				1			1	1							
SUBS/SUPPLIERS CERTIFICATION LETTERS (SET)	1				2			1	1							
DRCHECKS FILE ANNOTATED (IN DRCHECK SYSTEM)	1				2			1	1							
COLOR BOARDS (INTERIOR & EXTERIOR) (Reference Para 1.12.5)	1				2			2	1							

*

Design Backcheck Submittal *Repeat as needed* (Includes all other requirements noted)(Submit only shts/pgs of changes for each submittal cycle)	M A J	D I S T	D I V		DA	C U S T	C O N S	B C E	R E S	T C X P	T C X F	G E O				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRAWINGS (ANSI "B")	3				10		4	12	2							
DRAWINGS (ANSI "D")	1				2		1	1	1							
SPECS/CATALOG CUTS	3				10		4	12	2							
DESIGN ANALYSIS WITH CALCULATIONS	3				10		4		2							
DD FORM 1354		4			1			1	1							
SUBMITTAL REGISTER	1				2			1	1							
ELECTRONIC FILES (Reference Para 1.8 for Electronic Deliverables)					2				1							
COVER LETTER CERTIFICATION	1	4			1			1	1							
DRCHECKS FILE ANNOTATED (IN DRCHECK SYSTEM)	1	4			1			1	1							

*

Construction Submittal (Provide 7 days after notification of all compliance review comments in DrChecks adequately addressed)	M A J	D I S T	D I V		D A	C U S T	C O N S	B C E	R E S	T C X P	T C X F	G E O				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
DRAWINGS (Each discipline lead drawing sheet shall be stamped and signed by the responsible Professional Engineer or Architect licensed to do so, i.e., "G" and "A" etc)																
CONSTRUCTION READY DRAWINGS (ANSI "B")	3				5		2	3	4							
CONSTRUCTION READY DRAWINGS (ANSI "D")	1				2		1	1	4							
CONSTRUCTION READY SPECS/CATALOG CUTS	3				5		2	3	4							
DESIGN ANALYSIS WITH CALCULATIONS	3				5		1	1	1							
DD FORM 1354 AND REAL PROPERTY FORM					2			2	1							
ELECTRONIC FILES OF ALL DRAWINGS (Reference Para 1.8 for Electronic Deliverables)	1				5		2	1	4							
SUBMITTAL REGISTER	1	4			2			1	1							
ELECTRONIC WORD PROCESSING FILES OF ALL OTHER DOCS	1				2			1	1							
COVER LETTER CERTIFICATION	1				2		1	1	1							

As-Built Drawings Submittal (Provide 21 calendar days after final inspection and project acceptance)	M A J	D I S T	D I V		D A	C U S T	C O N S	B C E	R E S	T C X P	T C X F	G E O				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
AS-BUILT DRAWINGS (paper) (ANSI "D")									1							
ELECTRONIC CADD FILES OF ALL DRAWINGS (AUTOCAD LATEST VERSION COMPATIBLE)		4			2				1							
UPDATED DD FORM 1354 DATA AND UPDATED PROPERTY DATA FORM (SEE SECTION 01012)									1							
AS-BUILT DRAWINGS (paper) (ANSI "B")		4			2				1							

2.2 Offices for Distribution:[J4]

<u>Code Number</u>	<u>Agency</u>	<u>Mailing Address</u>
1	MAJ	HQ ACC/CECW ATTN: Mr. James Spoto 129 Andrews Street, Room 315 Langley AFB, VA 23665-2769 (757) 764-3680
2	DIST	Not Used
3	DIV	Not Used
4		Not Used.
5	DA	CESPK-PM-M ATTN: Mr. Cartley Wong 1325 "J" Street Sacramento, CA 95814-2922 (916) 557-7671
6	CUST	NOT USED.
7	CONS	CESPK-CO-QA ATTN: Mr. Drew Perry 1325 "J" Street Sacramento, CA 95814-2922 (916) 557-7779
8	BCE	Department of the Air Force 9 th CES/CECN (David Piele) 6425 B Street, B-2539 Beale AFB, CA 95903-1712 (530) 634-0466

<u>Code Number</u>	<u>Agency</u>	<u>Mailing Address</u>
9	RES	US Army Corps of Engineers Sacramento Resident Office CESPK-CO-RS (Larry Smith) 2194 Ascot Ave., B/1066 Rio Linda, CA 95673-9988 916-649-0133
10	TCXP	Not Used

11	TCXF	Not Used
12	GEO	Not Used

2.3 Beale AFB DD FORM 1354 additional requirements to be submitted with each DD FORM 1354 submittal requirement:

REQUIRED REAL PROPERTY DATA {tc "REQUIRED REAL PROPERTY DATA " \ 4}

- | | |
|-------------------------------|------------------|
| 1. New Construction/Additions | - Facility |
| 2. New Construction | - Infrastructure |
| 3. Demolition | - Facility |
| 4. Demolition | - Infrastructure |

1. New Construction/Additions Project# _____ Work Order # _____ ftc
 "1. New Construction/Additions Project# _____ Work Order # _____
 " \ 5}

Facility# _____ Installation _____ Category Code _____

Total Unit of Measure (SF, SY, Other) _____ (_____) \$ _____
 (cost excludes systems)

Dimensions

Outside	_____ x _____	FT
Wings	_____ x _____	FT
Offsets	_____ x _____	FT

Number of floors _____

Type Construction (Concrete, block, metal, etc.)

Foundation	_____
Floor	_____
Wall	_____
Roof	_____

Utilities (Check when applicable)

Water	_____
Sewage	_____
Electric	_____
Gas	_____
Steam	_____

Heat Source (Specify type: Gas, Steam, Fuel Oil, Electric, etc.) _____

Fire Detection

Automatic Fire Detection System	_____ EACH	_____ SF	\$ _____
Automatic Fire Alarm/Reporting	_____ EACH	_____ SF	\$ _____
Manual Alarm System			
Exterior		_____ BOXES	\$ _____
Interior		_____ BOXES	\$ _____

Sprinkler Systems

Closed Head Automatic	_____ HDS	_____ SF	\$ _____
Open Head Deluge	_____ HDS	_____ SF	\$ _____
Pre-Action	_____ HDS	_____ SF	\$ _____
AFFF Pre-Action	_____ HDS	_____ SF	\$ _____

Other Fire Suppression System

High Expansion Foam	_____	EACH	\$ _____
Carbon Dioxide	_____	EACH	\$ _____
Protein Foam/Water Deluge	_____	EACH	\$ _____
Halon	_____	EACH	\$ _____
Dry Chemical System	_____	EACH	\$ _____
Foam Systems (Tank Farm)	_____	EACH	\$ _____
Other	_____	EACH	\$ _____

Air Conditioning /Evaporative Cooler

Less than 5 ton	_____ SF	_____ TN	\$ _____
5 to 25 ton	_____ # of Units	_____ TN	\$ _____
25 to 100 ton	_____ # of Units	_____ TN	\$ _____
Over 100 ton	_____ # of Units	_____ TN	\$ _____

Heating

750/3500 MB	_____	MB	\$ _____
Over 3500 MB	_____ MB		\$ _____
From Central Plant	_____	SF	\$ _____
Fuel Oil Storage	_____	GA	\$ _____
Gas Source	_____ SF	MB	\$ _____

Energy Monitoring and Control Systems (EMCS)

Central Station Equipment	_____	EACH	\$ _____
Field Equipment	_____	EACH	\$ _____
Data Lines	_____	LF	\$ _____

Security Alarm System

_____	EACH	\$ _____
-------	------	----------

Air Compressor

_____	HP	\$ _____
-------	----	----------

Compressed Air Distribution Lines

_____	LF	\$ _____
-------	----	----------

Electric Emergency Power

Generator	_____	KW	\$ _____
-----------	-------	----	----------

Storage Tank for Fuel (Type)

_____	GA	\$ _____
-------	----	----------

2. New Construction/Additions- Infrastructure

Installation _____	Project# _____	Work Order # _____
--------------------	----------------	--------------------

Roads	_____ SY	_____ LF	\$ _____
-------	----------	----------	----------

Curb & Gutter	_____	LF	\$ _____
---------------	-------	----	----------

Driveway	_____	SY	\$ _____
----------	-------	----	----------

Vehicle Parking Areas

Organization Vehicles	_____ SY	\$ _____
Private Owner Vehicles	_____ SY	\$ _____
Refueling Vehicles	_____ SY	\$ _____
Sidewalk	_____ SY	\$ _____
Street Lights	_____ EACH	\$ _____
Boundary Fence		
Chain Link	_____ LF	\$ _____
Block Wall	_____ LF	\$ _____
Interior Fence		
Chain Link	_____ LF	\$ _____
Block Wall	_____ LF	\$ _____
Security Fence		
Chain Link	_____ LF	\$ _____
Block Wall	_____ LF	\$ _____
Exterior Lighting		
Street Lights	_____ EACH	\$ _____
Security Lights	_____ EACH	\$ _____
Apron Floodlighting	_____ EACH	\$ _____
Electric Aircraft Outlets	_____ EACH	\$ _____
Water Distribution Mains	_____ LF	\$ _____
Non potable	_____ LF	\$ _____
Fire Protection Main	_____ LF	\$ _____
Fire Hydrants	_____ EACH	\$ _____
Fire Pumps _____ GM	_____ SF	\$ _____
(internal combustion, steam or electric drivers)		
Fire Protection Water Storage	_____ KG	\$ _____
Storm Drains	_____ LF	\$ _____
Sanitary Sewage Main	_____ LF	\$ _____
Industrial Waste Main	_____ LF	\$ _____
Industrial Waste Fuel Spill Collector	_____ KG	\$ _____
Gas Mains	_____ LF	\$ _____
Primary Electrical Distribution Lines		
Overhead	_____ LF	\$ _____
Underground	_____ LF	\$ _____
Secondary Electrical Distribution Lines		
Overhead	_____ LF	\$ _____
Underground	_____ LF	\$ _____
Utility Line Ducts	_____ LF	\$ _____

Steam Heat Mains	_____ LF	\$ _____
Sanitary Sewage Mains	_____ LF	\$ _____
Pad (for propane tank)	_____ SY	\$ _____
Pre-Engineered Revetment	_____ LF	\$ _____
Other	_____	\$ _____

3. Demolition - Facility Project# _____ Work Order # _____
Demolition - Facility Project# _____ Work Order # _____
 Facility# _____ Installation _____

4. Demolition - Infrastructure {tc "4.. Demolition - Infrastructure " \ 5}

Installation _____ Project# _____ Work Order # _____
 "Installation _____ Project# _____ Work Order # _____

Roads	_____ SY _____ LF	\$ _____
Curb & Gutter	_____ LF	\$ _____
Driveway	_____ SY	\$ _____
Vehicle Parking Areas		
Organization Vehicles	_____ SY	\$ _____
Private Owner Vehicles	_____ SY	\$ _____
Refueling Vehicles	_____ SY	\$ _____
Sidewalk	_____ SY	\$ _____
Street Lights	_____ EACH	\$ _____
Boundary Fence		
Chain Link	_____ LF	\$ _____
Block Wall	_____ LF	\$ _____
Interior Fence		
Chain Link	_____ LF	\$ _____
Block Wall	_____ LF	\$ _____
Security Fence		
Chain Link	_____ LF	\$ _____
Block Wall	_____ LF	\$ _____
Exterior Lighting		
Street Lights	_____ EACH	\$ _____
Security Lights	_____ EACH	\$ _____
Apron Floodlighting	_____ EACH	\$ _____
Electric Aircraft Outlets	_____ EACH	\$ _____

Water Distribution Mains	_____	LF	\$ _____
Non potable	_____	LF	\$ _____
Fire Protection Main	_____	LF	\$ _____
Fire Hydrants	_____	EACH	\$ _____
Fire Pumps _____ GM (internal combustion, steam or electric drivers)	_____	SF	\$ _____
Fire Protection Water Storage	_____	KG	\$ _____
Storm Drains	_____	LF	\$ _____
Sanitary Sewage Main	_____	LF	\$ _____
Industrial Waste Main	_____	LF	\$ _____
Industrial Waste Fuel Spill Collector	_____	KG	\$ _____
Gas Mains	_____	LF	\$ _____
Primary Electrical Distribution Lines			
Overhead	_____	LF	\$ _____
Underground	_____	LF	\$ _____
Secondary Electrical Distribution Lines			
Overhead	_____	LF	\$ _____
Underground	_____	LF	\$ _____
Utility Line Ducts	_____	LF	\$ _____
Steam Heat Mains	_____	LF	\$ _____
Sanitary Sewage Mains	_____	LF	\$ _____
Pad (for propane tank)	_____	SY	\$ _____
Pre-Engineered Revetment	_____	LF	\$ _____
Other	_____		\$ _____

3. CONTRACTOR PROCESSING OF DRCHECKS FILE

3.1. The Contractor shall provide copies of comments, annotated with comment action agreed on, to all parties before the review conference adjourns. Unresolved problems will be resolved by immediate follow-on action at end of conferences. The Contractor shall submit to the Contracting Officer within five (5) calendar days, two (2) copies of a memorandum of the Compliance Assurance Review Conference summarizing major decision points and issues which requires resolution and the action office.

3.2. On receipt of corrected submittal documents and at the point at which all comments in the DrChecks System have been adequately addressed (to Sacramento District's satisfaction), the Sacramento District will provide notification to the Contracting Officer noting that all comments have been addressed. Withholding payment for unsatisfactory performance shall be made in accordance with CONTRACT CLAUSE, FAR

52.232-5, PAYMENTS UNDER FIXED-PRICE CONSTRUCTION CONTRACTS.

3.3. The Contractor shall annotate the respective DrChecks File for each phase of the design showing page or sheet and verse where the correction was made and what the correction consists of — this to assist the reviewers to quickly find the adjustment. The Contractor annotated DrChecks files shall be made on the DrChecks web site before the next submittal is received by the reviewers — therefore action is a part of the submittal requirements.

3.4. The Contractor shall submit corrected submittal documents (backcheck) as noted above. Again — the appropriate DrChecks file shall be annotated and ready on the web site on or before the day the reviewers receive the backcheck submittal.

3.5. The Backcheck process along with the availability of the Contractor annotated DrChecks file on the web site shall continue until all comments in the DrChecks file have been adequately addressed to the satisfaction of the Government Reviewers.

--End of Section--

SECTION TABLE OF CONTENTS
DIVISION 01 - GENERAL REQUIREMENTS
SECTION 01120
WORK PHASE SUMMARY

PART 1 GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

- 1.1.1 PHASE I
- 1.1.2 PHASE II
- 1.1.3 PHASE III
- 1.1.4 PHASE IV
- 1.1.5 PHASE V
- 1.1.6 PHASE VI
- 1.1.7 PHASE VII

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

--End of Section--

SECTION 01120

WORK PHASE SUMMARY

PART 1 GENERAL

1.1 WORK COVERED BY CONTRACT DOCUMENTS

- 1.1.1 **PHASE I** - Construct new Military Working Dog Kennel.
(Begins at NTP and completed within 210 calendar days after the NTP.)
- 1.1.2 **PHASE II** - Design of the Civil & Structural Portions for new 96 Person Global Hawk Dormitory.
(Begins at NTP and completed within 120 calendar days after the NTP. The 120 calendar days shall include the 100% design submission, a 5 working day Government review period, and submission of the corrected 100% design.)
- 1.1.3 **PHASE III** - Begin Construction on the Civil & Structural Portions of the new 96 Person Dormitory.
(Begins 120 calendar days after NTP.)
- 1.1.4 **PHASE IV** - Design of new 96 Person Dormitory, all disciplines other than Civil & Structural.
(Begins at NTP and completed within 180 calendar days after the NTP. The 180 calendar days shall include the 100% design submission, a 5 working day Government review period, and submission of the corrected 100% design.)
- 1.1.5 **PHASE V** - Begin Construction of all remaining work on the new 96 Person Dormitory.
(Begins 180 calendar days after NTP and completed within 480 calendar days after the NTP.)
- 1.1.6 **PHASE VI** - Government Removal of Material and Equipment From Existing Military Working Dog Kennel.
(Begins at Beneficial Occupancy {BOD} of the new Military Working Dog Kennel, {210 calendar days after NTP}, and completed within 14 calendar days after the BOD of the new Military Working Dog Kennel, {224 calendar days after NTP}.)
- 1.1.7 **PHASE VII** - Demolition of existing Military Working Dog Kennel.
(Begins after 224 calendar days after NTP and completed within 245 calendar days after the NTP.)

PART 2 PRODUCTS (NOT APPLICABLE)

PART 3 EXECUTION (NOT APPLICABLE)

-END OF SECTION-

DIVISION 01 -GENERAL REQUIREMENTS

01320 – Project Schedule

SECTION TABLE OF CONTENTS

PART 1 GENERAL
REFERENCES
QUALIFICATIONS

PART 2 PRODUCTS (Not Applicable)

PART 3 EXECUTION

3.1 GENERAL REQUIREMENTS
3.2 BASIS FOR PAYMENT
3.3 PROJECT SCHEDULE
3.3.1 Use of the Critical Path Method
3.3.2 Level of Detail Required
3.3.2.1 Activity Durations
3.3.2.2 Design and Permit Activities
3.3.2.3 Procurement Activities
3.3.2.4 Critical Activities
3.3.2.5 Government Activities
3.3.2.6 Responsibility
3.3.2.7 Work Areas
3.3.2.8 Modification or Claim Number
3.3.2.9 Bid Item
3.3.2.10 Phase of Work
3.3.2.11 Category of Work
3.3.2.12 Feature of Work
3.3.3 Scheduled Project Completion
3.3.3.1 Project Start Date
3.3.3.2 Constraint of Last Activity
3.3.3.3 Early Project Completion
3.3.4 Interim Completion Dates
3.3.4.1 Start Phase
3.3.4.2 End Phase
3.3.4.3 Phase X
3.3.5 Default Progress Data Disallowed
3.3.6 Out-of-Sequence Progress
3.3.7 Negative Lags
3.4 PROJECT SCHEDULE SUBMISSIONS
3.4.1 Preliminary Project Schedule Submission
3.4.2 Initial Project Schedule Submission
3.4.3 Periodic Schedule Updates
3.4 Standard Activity Coding Dictionary
3.5 SUBMISSION REQUIREMENTS
3.5.1 Data Disks
3.5.1.1 File Medium
3.5.1.2 Disk Label
3.5.1.3 File Name
3.5.2 Narrative Report
3.5.3 Approved Changes Verification
3.5.4 Schedule Reports
3.5.4.1 Activity Report
3.5.4.2 Logic Report
3.5.4.3 Total Float Report
3.5.4.4 Earnings Report

- 3.5.5 Network Diagram
 - 3.5.5.1 Continuous Flow
 - 3.5.5.2 Project Milestone Dates
 - 3.5.5.3 Critical Path
 - 3.5.5.4 Banding
 - 3.5.5.5 S-Curves
- 3.6 PERIODIC PROGRESS MEETINGS
 - 3.6.1 Meeting Attendance
 - 3.6.2 Update Submission Following Progress Meeting
 - 3.6.3 Progress Meeting Contents
 - 3.6.3.1 Start and Finish Dates
 - 3.6.3.2 Time Completion
 - 3.6.3.3 Cost Completion
 - 3.6.3.4 Logic Changes
 - 3.6.3.5 Other Changes
- 3.7 REQUESTS FOR TIME EXTENSIONS
 - 3.7.1 Justification of Delay
 - 3.7.2 Submission Requirements
 - 3.7.3 Additional Submission Requirements
- 3.8 DIRECTED CHANGES
- 3.9 OWNERSHIP OF FLOAT

--End of Section Table of Contents --

1.1 REFERENCES

The publications listed below form a part of the specification to the extent referenced. The publication is referenced in the text by basic designation only.

ER 1-1-11 Progress, Schedules, and Network Analysis Systems (June 1995)

1.2 QUALIFICATIONS - CONTRACTOR SCHEDULING REPRESENTATIVE

The Contractor shall designate, a scheduling representative, the individual tasked with the responsibility for preparation-updating-revision of the NAS schedule, who shall be responsible for the preparation and submittal of the entire NAS project schedule including all items specified below and revisions to the schedule or supplemental completion schedules, as applicable or directed by the Contracting Officer. The scheduling representative shall be approved by the Contracting Officer based on a resume indicating as a minimum, formal training from software vendor or 5 years experience in working with NAS schedules.

EXECUTION

3.1 GENERAL REQUIREMENTS

Pursuant to the Contract Clause, SCHEDULE FOR CONSTRUCTION CONTRACTS, a Project Schedule as described below shall be prepared. The NAS Project Schedule shall be a composite schedule including the design and construction activities. The scheduling of construction only and design-construction shall be the responsibility of the Contractor. Contractor management personnel shall actively participate in its development. Subcontractors and suppliers Designers, Subcontractors and suppliers working on the project shall also contribute in developing and maintaining an accurate Project Schedule. The approved Project Schedule shall be used to measure the progress of the work, to aid in evaluating time extensions, and to provide the basis of all progress payments.

The Government will use the NAS Project Schedule to evaluate the contractor's progress for timely completion, plan for Quality Assurance verification of the work and evaluate the effects of a proposed modification on the contract duration (critical path activities).

3.2 BASIS FOR PAYMENT

The schedule shall be the basis for measuring Contractor progress. Lack of an approved schedule or scheduling personnel will result in an inability of the Contracting Officer to evaluate Contractor's progress for the purposes of payment. Failure of the Contractor to provide all information, as specified below, shall result in the disapproval of the entire Project Schedule submission and the inability of the Contracting Officer to evaluate Contractor progress for payment purposes. In the case where Project Schedule revisions have been directed by the Contracting Officer and these revisions have not been included in the Project Schedule, the Contracting Officer may hold retainage up to the maximum allowed by contract, each payment period, until revisions to the Project Schedule have been made.

3.3 PROJECT SCHEDULE

Project schedule software

The contractor shall prepare the NAS schedule using a computer software system. The system utilized by the Contractor shall be capable of satisfying all requirements of this specification and ER 1-1-11. Manual methods used to produce any required information shall require prior approval by the Contracting Officer. The Contracting Officer intends to use PRIMAVERA P3.

The Contractor shall provide to the Government a complete input listing for the selected software.

3.3.3.1 Use of the Critical Path Method

The Critical Path Method (CPM) of network calculation shall be used to generate the Project Schedule. The Contractor shall provide the Project Schedule in the Precedence Diagram Method (PDM).

3.3.3.2 Level of Detail Required

The Project Schedule shall include an appropriate level of detail. Failure to develop or update the project Schedule or provide data to the Contracting Officer at the appropriate level of detail, as specified by the Contracting Officer, shall result in the disapproval of the schedule. The Contracting Officer will use, but is not limited to, the following conditions to determine the appropriate level of detail to be used in the Project Schedule:

3.3.2.1 Activity Durations

Contractor submissions shall follow the direction of the Contracting Officer regarding reasonable activity durations. Reasonable durations are those that allow the progress of activities to be accurately determined between payment periods (usually less than 2 percent of all non-procurement activities' Original Durations are greater than 20 days). Durations shall be in workdays.

3.3.2.2 Design and Permit Activities

NOTE: This paragraph applies only to design-build procurements.

Design and permitting activities, including necessary conferences and follow-up actions and design package submission dates, shall be integrated into the schedule.

3.3.2.3 Procurement Activities

Tasks related to the procurement of long lead materials or equipment shall be included as separate activities in the project schedule. Long lead materials and equipment are those materials that have a procurement cycle of over 90 days. Examples of key procurement activities include, but are not limited to: shop drawing submittals/ approvals or review/and fabrication/delivery.

3.3.2.4 Critical Submission Activities

The following activities shall be listed as separate line activities on the Contractor's project schedule:

- a. Submission and approval of mechanical/electrical layout drawings
- b Submission and approval of O & M manuals
- c. Submission and approval of as-built drawings
- d. Submission and approval of 1354 data and installed equipment lists
- e. Submission and approval of testing and air balance (TAB)
- f. Submission of TAB specialist design review report
- g. Submission and approval of fire protection specialist
- h. Submission and approval of testing and balancing of HVAC plus commissioning plans and data and water balance dates

3.3.2.5 Government Activities

Government and other agency activities that could impact progress shall be included in the schedule. These activities include, but are not limited to: Government approvals, Government review and verification that design submittals are in accordance with the RFP inspections, utility tie-in, Government Furnished Equipment (GFE) and Notice to Proceed (NTP) for phasing requirements. Government approval of shop drawings activities should be shown with the duration at least the minimum allowed by the contract. The contractor's failure to provide reasonable durations in its schedule for Government activities does not establish or change the Government's review or approval path periods and the durations established for Government's activities are subject to approval by the Contracting Officer.

3.3.2.5.1 Work activities to be included on the critical path

CQC (all) mechanical systems test (indicate the specific system)

CQC (all) electrical system tests (indicate the specific system)

Government QA (all) mechanical system acceptance/operational test (indicate specific system)

Government QA (all) electrical system acceptance /operational test (indicate specific system)

CQC completion inspection of the entire project

Contractor works off CQC punchlist

Prefinal inspection performed when the facility is completed such that it can be used for its intended function (as determined by the Contracting Officer)

Contractor works off prefinal punchlist

Final/acceptance inspection of the entire project

Contractor works off final punchlist.

Contractor shall allow 60 calendar days total duration prior to current contract completion date for the above stated activities. (See specification section 01445 Contractor Quality Control).

Government and other agency activities that could impact progress shall be shown. These activities include, but are not limited to: approvals, approvals, design reviews, environmental permit approvals by State regulators, inspections, utility tie-in, Government Furnished Equipment (GFE) and Notice to Proceed (NTP) for phasing requirements.

3.3.2.5.2 Contracts with multiple buildings/facilities

The contractor shall prepare a separate detailed NAS schedule for each building/facility indicating its critical path for specified interim completion dates or critical milestone date.

The master NAS schedule shall indicate the interface/lag/link between buildings/facilities to maximize/level the labor and other resources. The master schedule critical path must be indicated through the various buildings/facilities and total duration equal to the contract duration.

3.3.2.6 Responsibility

All activities shall be identified in the project schedule by the party responsible to perform the work. Responsibility includes, but is not limited to, the subcontracting firm, contractor work force, or government agency performing a given task. Activities shall not belong to more than one responsible party. The responsible party for each activity shall be identified by the Responsibility Code.

3.3.2.7 Work Areas

All activities shall be identified in the project schedule by the work area in which the activity occurs. Activities shall not be allowed to cover more than one work area. The work area of each activity shall be identified by the Work Area Code.

3.3.2.8 Modification or Claim Number

Any activity that is added or changed by contract modification or used to justify claimed time shall be identified by a mod or claim code that changed the activity. Activities shall not belong to more than one modification or claim item. The modification or claim number of each activity shall be identified by the Mod or Claim Number. Whenever possible, changes shall be added to the schedule by adding new activities. Existing activities shall not normally be changed to reflect modifications

3.3.2.9 Bid Item

All activities shall be identified in the project schedule by the Bid Item to which the activity belongs. An activity shall not contain work in more than one bid item. The bid item for each appropriate activity shall be identified by the Bid Item Code.

3.3.2.10 Phase of Work

All activities shall be identified in the project schedule by the phases of work in which the activity occurs. Activities shall not contain work in more than one phase of work. The project phase of each activity shall be by the unique Phase of Work Code.

3.3.2.11 Category of Work

All Activities shall be identified in the project schedule according to the category of work which best describes the activity. Category of work refers, but is not limited, to the procurement chain of activities including such items as submittals designs, design package submissions design reviews, review conferences, permits, submittals, approvals, procurement, fabrication, delivery, installation, start-up, and testing. The category of work for each activity shall be identified by the Category of Work Code.

3.3.2.12 Feature of Work

All activities shall be identified in the project schedule according to the feature of work to which the activity belongs. Feature of work refers, but is not limited to, a work breakdown structure for the project. The feature of work for each activity shall be identified by the Feature of Work Code.

3.3.3 Scheduled Project Completion

The schedule duration shall extend from NTP to the official contract completion date as awarded (unless approved by Contracting Officer-for early completion).

3.3.3.1 Project Start Date

The schedule shall start no earlier than the date on which the NTP was acknowledged. The Contractor shall include as the first activity in the project schedule an activity called "Start Project". The "Start Project" activity shall have an "ES" constraint date equal to the date that the NTP was acknowledged, and a zero day duration.

3.3.3.2 Constraint of Last Activity

Completion of the last activity in the schedule shall be constrained by the contract completion date. Calculation on project updates shall be such that if the early finish of the last activity falls after the contract completion date, then the float calculation shall reflect a negative float on the critical path. The Contractor shall include as the last activity in the project schedule an activity called "End Project". The "End Project" activity shall have an "LF" constraint date equal to the completion date for the project, and a zero day duration.

3.3.3.3 Early Project Completion

In the event the project schedule shows completion of the project prior to the contract completion date, the Contractor shall identify those activities that have been accelerated and/or those activities that are scheduled in parallel to support the Contractor's "early" completion. Contractor shall specifically address each of the activities noted in the narrative report at every project schedule update period to assist the Contracting Officer in evaluating the Contractor's ability to actually complete prior to the contract period.

The Contractor shall include an activity named "contingency" with no cost and a duration equal to the number of calendar days from the date all the contract work is planned to be completed, to the official contract completion date as awarded.

3.3.4 Interim Completion Dates

Contractually specified interim completion dates shall also be constrained to show negative float if the early finish date of the last activity in that phase falls after the interim completion date.

Design phase

The contractor shall include the following design phase activities in the composite design and construction NAS Project schedule

Duration of Activities **after NTP**

Pework conference within 5 days after NTP

Submittal of preliminary design (60%)	60 calendar days after NTP
Submittal of Final design (For the Civil and Structural design)	90 calendar days
Review of 60% design by Government	35 calendar days
Review of 100% design by Government (For the Civil and Structural design)	7 calendar days
Design review conference of Preliminary design	2 calendar days
Design review conference of Final design (For the Civil and Structural design)	2 calendar days
Submittal of corrected 60% design	21 calendar days
Submittal of Corrected Final design (100%) (For the Civil and Structural design)	14 calendar days
Backcheck of 60% design	14 calendar days
Backcheck of Corrected Final design (For the Civil and Structural design)	7 calendar days
Submittal of Final design	60 calendar days
Submittal of Final design (For Architectural/Interior and Mech/Elect design)	154 calendar days

Review of 100% design by Government	35 calendar days
Review of 100% design by Government (For Architectural/Interior and Mech/Elect design)	7 calendar days
Design review conference of Final design	2 calendar days
Design review conference of Final design (For Architectural/Interior and Mech/Elect design)	2 calendar days
Submittal of Corrected Final design (100%)	21 calendar days
Submittal of Corrected Final design (100%) (For Architectural/Interior and Mech/Elect design)	10 calendar days
Backcheck of Corrected Final design	14 calendar days
Backcheck of Corrected Final design (For Architectural/Interior and Mech/Elect design)	7 calendar days

Design Complete - {The contracting officer shall advise the contractor in writing when the final design documents are approved for construction}

The duration of each of these activities must be the duration as included in the contract award.

3.3.4.1 Start Phase

The Contractor shall include as the first activity for a project phase an activity called "Start Phase X" where "X" refers to the phase of work. The "Start Phase X" activity shall have an "ES" constraint date equal to the date on which the NTP was acknowledged, and a zero day duration.

3.3.4.2 End Phase

The Contractor shall include as the last activity *in* a project phase an activity called "End Phase X" where "X" refers to the phase of work. The "End Phase X" activity shall have an "LF" constraint date equal to the completion date for the project, and a zero day duration.

3.3.4.3 Phase X

The Contractor shall include a hammock type activity for each project phase called "Phase X" where "X" refers to the phase of work. The "Phase X" activity shall be logically tied to the earliest and latest activities in the phase.

3.3.5 Default Progress Data Disallowed

Actual Start and Finish dates shall not be automatically updated by default mechanisms that may be included *in* CPM scheduling software systems. Actual Start and Finish dates on the CPM schedule shall match those dates provided from Contractor Quality Control Reports. Failure of the Contractor to document the Actual Start and Finish dates on the Daily Quality Control report for every in-progress or completed activity, and failure to ensure that the data contained on the Daily Quality Control reports *is* the sole basis for schedule updating shall result *in* the disapproval of the Contractor's schedule and the inability of the Contracting Officer to evaluate Contractor progress for payment purposes. Updating of the percent complete and the remaining duration of any activity shall be independent functions. Program features which calculate one of these parameters from the other shall be disabled.

3.3.6 Out-of-sequence Progress

Activities that have posted progress without all preceding logic being satisfied (Out-of-Sequence Progress) will be allowed only on a case-by-case approval of the Contracting Officer. The Contractor shall propose logic corrections to eliminate all out of sequence progress or justify not changing the sequencing for approval prior to submitting an updated project schedule.

3.3.7 Negative Lags

Lag durations contained in the project schedule shall not have a negative value.

3.4 PROJECT SCHEDULE SUBMISSIONS

The Contractor shall provide the submissions as described below. The data for each submission is as follows:

The contractor shall provide a bar chart schedule for the first 30 calendar days of the contract at the Pre-construction conference.

3.4.1 Preliminary NAS Project Schedule Submission

The Preliminary NAS Project Schedule, defining the Contractor's planned operations for the first 90 calendar days shall be submitted for approval at within 30 days after NTP.

The approved preliminary schedule shall be used for payment purposes not to exceed 90 calendar days after NTP. The preliminary schedule shall be detailed for the first 90 days and depict the remainder of the project in summary format.

The preliminary schedule shall be submitted on data disk or CD (2 copies).

One hard copy of diagrams

Three hard copies of all sorts / report ----earning curve----manpower plot

3.4.2 Initial NAS Project Schedule Submission

The Initial NAS Project Schedule shall be submitted for approval within 30 calendar days after notice of design complete. The schedule shall include detailed activities for the entire project with a reasonable sequence of activities, and shall be at a reasonable level of detail as approved by the Contracting Officer.

The initial schedule shall be submitted on data disk or CD (2 copies).

One hard copy of diagrams

Three hard copies of all sorts / report - earning curve - manpower plot

3.4.3 Periodic {Monthly} Updates (entire NAS project schedule)

The Contractor shall submit monthly schedule updates to the Contracting Officer for approval. Monthly updates shall continue until the contract is accepted by the Contracting Officer. These submissions shall enable the Contracting Officer to evaluate the Contractor's monthly progress.

The monthly updates shall be submitted on data disk or CD (2 copies).

One hard copy of diagrams

Three hard copies of all sorts / report - earning curve - manpower plot

The contractor's invoice may be deemed as an improper invoice, if it fails to provide monthly updates acceptable to Contracting Officer, this may delay progress payment and may result in an interim unsatisfactory performance rating. The contractor shall include its requests to revise/adjust the NAS schedule for approval, prior to implementing the revisions into the official schedule.

3.4.4 Standard Activity Coding Dictionary

The Contractor shall use the activity coding structure defined in the Standard Data Exchange Format (SDEF) in ER 1-1-11, Appendix A. This exact structure is mandatory, even if some fields are not used.

3.5 SUBMISSION REQUIREMENTS

3.5.1 DATA DISKS

Two data disks containing the project schedule shall be provided.

Data on the disks shall adhere to the SDEF format specified in ER 1-1-11, Appendix A.

3.5.1.1 File Medium

Required data shall be submitted on CD including the baseline and all updates (cumulative). Monthly data disks must be, 3.5 disks, formatted to hold 1.44 MB of data, under the MS-DOS Version 5.0 or 6.x, unless otherwise approved by the Contracting Officer.

3.5.1.2 Disk Label

A permanent exterior label shall be affixed to each disk submitted. The label shall indicate the type of schedule (Preliminary, Initial, Update, or Change), full contract number, project name, project location, data date, name and telephone number or person responsible for the schedule, and the MS-DOS version used to format the disk

3.5.1.3 File Name

Each file submitted shall have a name related to either the schedule data date, project name, or contract number. The Contractor shall develop a naming convention that will ensure that the names of the files submitted are unique. The Contractor shall submit the file naming convention to the Contracting Officer for approval. Provide the naming convention (limited to 4 characters: i.e. Filename (contract 99-47) = 47BL for Baseline and 4701 for 1st monthly).

3.5.2 Narrative Report

A Narrative Report shall be provided with the preliminary, initial, and each monthly update of the project schedule. This report shall include: a description of activities along the most critical paths, a description of current and anticipated problem areas or delaying factors and their impact, and an explanation of corrective actions taken or required to be taken. The narrative report is expected to relay to the Government, the Contractor's thorough analysis of the schedule output and its plans to compensate for any problems, either current or potential, which are revealed through that analysis.

If the contractor believes that any Government action or inaction has, or potentially, will impact its progress, it will include the specific notice of the fact in this report. This information should include the activity number of the impacted work, nature and duration of the impact.

The narrative report shall address all modifications and weather activities that were input for the progress and their impact on the contract completion and total float.

3.5.3 Approved Changes Verification

Only project schedule changes that have been previously approved by the Contracting Officer shall be included in the schedule submission. The Narrative Report shall specifically reference, on an activity-by-activity basis, all changes made since the previous period and relate each change to documented, approved schedule changes.

3.5.3.1 Project Monthly and Specific Milestone Dates

Milestone dates shall be shown on the diagram for start of project, each monthly milestone for the critical path activity in progress as of the data date, specific milestones such as: foundation complete, structure complete, roof complete, facility dried in, interim completion dates, and other specific contract milestones as required by the Contracting Officer.

3.5.4 Schedule Reports

The format for each activity for the schedule reports listed below shall contain: Activity Numbers, Activity Description, Original Duration, Remaining Duration, Early Start Date, Early Finish Date, Late Start Date, Late Finish Date, Total Float. Actual Start and Actual Finish Dates shall be printed for those activities in progress or completed.

Milestone Report

The established monthly and special milestones shall be included in this report.

The milestones must be established for each significant project features such as: Clearing-grading-demolition, foundation, slab-on-grade, structure-frame, exterior walls-windows, roof-building dry-in, interior walls-mechanical/electrical R/I, above ceiling mechanical/electrical R/I, ceiling, interior wall finish--doors, painting-coverings, floor finish, installation of mechanical/electrical and other equipment-fixtures-casework, plumbing, HVAC system, finish interior mechanical/electrical, testing-commissioning mechanical/electrical systems, onsite utilities, paving-landscaping, prefinal-final inspections - final cleanup and/or other features (as applicable for the project).

Late Start /Late Finish Report

Late Start –Actual Start/Late Finish-Actual Finish - total float - sorted by LS in chronological order from NTP date to contract completion date.

3.5.4.1 Activity Report

A list of all activities sorted according to activity number

3.5.4.2 Logic Report

A list of Preceding and Succeeding activities for every activity in ascending order by activity number. Preceding and succeeding activities shall include all information listed above in paragraph Schedule Reports. A blank line shall be left between each activity grouping.

3.5.4.3 Total Float Report

A list of all incomplete activities sorted in ascending order of total float. Activities which have the same amount of total float shall be listed in ascending order of Early Start Dates. Completed activities shall not be shown on this report.

3.5.4.4 Earnings Report

A compilation of the Contractor's Total Earnings on the project from the NTP until the most recent Monthly Progress Meeting. This report shall reflect the Earnings of specific activities based on the agreements made in the field and approved between the Contractor and Contracting Officer at the most recent Monthly Progress Meeting. Provided that the Contractor has provided a complete schedule update, this report shall serve as the basis of determining Contractor Payment. Activities shall be grouped by bid item and sorted by activity numbers. This report shall: sum all activities in a bid item and provide a bid item percent; and complete and sum all bid items to provide a total project percent complete. The printed report shall contain, for each activity: the Activity Number, Activity Description, Original Budgeted Amount, Total Quantity, Quantity to Date, Percent Complete (based on cost), and Earnings to Date.

3.5.5 Network Diagram

One hard copy of the network diagram shall be required on the preliminary schedule, initial schedule submission, and updated on each monthly schedule submissions. Monthly updates must indicate actual progress as of the data date. The network diagram shall depict and display the order and interdependence of activities and the sequence in which the work is to be accomplished.

Network diagrams shall show the order and interdependence of project activities and the sequence in which the work is to be accomplished, as planned by the Contractor. The network diagramming procedure which will be used will show how the start of a given activity is dependent on the completion of preceding activities, and how its completion restricts the start of following activities.

Activity Duration:

The activity duration shall be indicated in “work” days, and revise the assigned calendar.

The contractor may request to change the work days from 5 days/week to 6 or 7 days/week should this action become necessary to regain the schedule due to problems unrelated to the Government actions.

Contractor submissions shall include reasonable activity durations as determined by the contractor and subcontractors. The durations are to be determined by the contractor using the planned crew size/composition.

ALL ACTIVITIES SHALL BE RESOURCE LOADED WITH THE CREW SIZE .

The network diagram shall be required on the initial schedule submission and on monthly schedule update submissions. The network diagram shall depict and display the order and interdependence of activities and the sequence in which the work is to be accomplished. The Contracting Officer will use, but is not limited to, the following conditions to review compliance with this paragraph:

3.5.5.1 Continuous Flow

Diagrams shall show a continuous flow from left to right with no arrows from right to left. The activity number, description, duration, and estimated earned value shall be shown on the diagram.

3.5.5.2 Project Milestone Dates

Dates shall be shown on the diagram for start of project, any contract required interim completion dates, and contract completion dates.

3.5.5.3 Critical Path

The critical path shall be clearly shown

3.5.5.4 Banding

Activities shall be grouped to assist in the understanding of the activity sequence. Typically, this flow will group activities by category of work, work area and/or responsibility.

3.5.5.5 Earning - S-Curves

Earnings (cash flow) curves (as required for submissions) shall show scheduled ES/EF and LS/LF curves

The monthly updates must indicate the actual progress plotted as of the data date.

The cash flow curves are affected by the assigned cost and duration of the activities.

The LS/LF cash flow curve is expected approximate a reasonable % earned for any % of duration completed based on previous contracts, which were completed on schedule.

Earnings curves showing projected early and late earnings and earnings to date.

3.6 PERIODIC-MONTHLY PROGRESS MEETINGS

There will be two progress meetings.

First- A progress update meeting will be held at the onsite between USACE and the authorized contractor representatives, on the agreed cut-off date established at the pre-construction conference. During this meeting the Contractor shall indicate it's requested percentage completed on each activity on which there was a revised percentage of completion. The Contracting Officer must approve actual progress percentages for each Progress meetings to discuss payment shall include a monthly onsite meeting or other regular intervals mutually agreed to at the pre-construction conference. During this meeting the Contractor shall describe, on an activity-by-activity basis, all proposed revisions and adjustments to the project schedule required to reflect the current status of the project. The Contracting Officer will approve activity progress, proposed revisions, and adjustments as appropriate.

The updated progress data will be evaluated at the second progress meeting.

Second- A progress evaluation meeting shall be held with the contractor, after the updating of the current progress period work activities percentage is complete including modifications and adverse weather activities, to evaluate progress and the NAS schedule.

Adjustments to the NAS schedule - Update information must include the Actual Start Dates, Actual Finish Dates, Remaining Durations, and Cost-to-Date. The Contractor must address all the activities on an activity-by-activity basis during the second progress meeting.

The monthly updated NAS schedule is submitted to the Contracting Officer, for approval, with the contractor's request for progress payment. The evaluation will include a review of actual durations compared to scheduled durations for critical and non-critical activities, progress on critical activities and near critical activities, trends, and current/potential problem areas, cash flow progress, and projected workflow of activities.

The contractor's narrative report shall be available for review at least three days prior to the second progress meeting.

The monthly NAS schedule update must include an adverse weather activity for work activities impacted greater than 50% of the work shift or were impacted by previous adverse weather (carry-over). The adverse weather activities must be added and applied to the NAS schedule, (all work activities—within 10 days float or less when compared to the current critical path and current critical activities) AFTER all of the modifications finalized within the month have been applied to the NAS schedule in the sequential order of finalization during the progress month. The time extension for usually severe weather (in calendar days) must result from the agreement reached or (as directed) by the Contracting Officer) following the joint Contractor and Contracting Officer monthly weather evaluation held to review the CQC and QA daily reports, not later than 7 calendar days after the end of the progress month. The Contracting Officer will confirm the results of this evaluation to the contractor in writing monthly.

The official contract completion date must be revised on the NAS schedule, monthly (if applicable) based on the Contracting Officer's letter confirming the results of the monthly evaluation, to include the time extension in calendars of unusually severe weather (actual adverse weather impact less the specified anticipated adverse weather impact, for the specific month). A new work activity shall be entered into the NAS schedule adjacent to the critical path activity affected by the unusually severe weather for each month—during the monthly schedule update, based on the agreed number of calendar days for each month.

A contract modification (SF 30) for a time extension to the official contract completion date, due to unusually severe weather (if any), will be completed quarterly by the Contracting Officer based on the monthly evaluations.

3.6.1 Meeting attendance

The Contractor's Project Manager/Superintendent, Chief Quality Control, and Contractor's Scheduler, (as approved in paragraph B), shall attend the second monthly progress meeting. The onsite Government representatives shall be advised of the meetings location, time and date.

3.6.2 Update submission following progress meeting

A complete update of the entire NAS project progress schedule containing all approved revisions, and adjustments, based on the second monthly progress meeting, shall be submitted not later than 6 working days after the second monthly progress meeting, (if applicable).

3.6.3 Progress Meeting contents

3.6.3.1 Start and Finish Dates

The Actual Start and Actual Finish dates for each activity currently in-progress or completed.

3.6.3.2 Time Completion

The estimated Remaining Duration for each activity in-progress. Time-based progress calculations shall be based on Remaining Duration for each activity.

3.6.3.3 Cost Completion

The earnings for each activity started. Payment will be based on earnings for each in-progress or completed activity. Payment for individual activities will not be made for work that contains quality defects. A portion of the overall project amount may be retained based on delays of activities.

3.6.3.4 Logic Changes

All logic changes pertaining to NTP on change orders, change orders to be incorporated into the schedule, contractor proposed changes in work sequence, corrections to schedule logic for out-of-sequence progress, lag durations, and other changes that have been made pursuant to contract provisions shall be specifically identified and discussed.

3.6.3.5 Other Changes

Other changes required due to delays in completion of any activity or group of activities include: 1) delays beyond the Contractor's control, such as strikes and unusual weather. 2) delays encountered due to submittals, Government Activities, deliveries or work stoppages, which make re-planning the work necessary. 3) Changes required correcting a schedule, which does not represent the actual or planned prosecution and progress of the work.

3.7 REQUESTS FOR TIME EXTENSIONS

In the event the Contractor requests a time extension of the contract completion date, or any interim milestone date, the Contractor shall furnish the following for a determination as to whether or not the Contractor is entitled to an extension of time under the provisions of the contract: justification, project schedule data, and supporting evidence as the Contracting Officer may deem necessary. Submission of proof of delay shall be based on a subnet/fragnet of work activities, revised activity logic, duration, and costs (updated to the specific date that the delay occurred) is required for any time extension approvals. The project schedule shall clearly display that the Contractor has used, in full, all the float time available for the work involved with this request. Actual delays that are found to be caused by the Contractor's own actions, which result in the extension of the schedule, shall not be a cause for a time extension to the contract completion date.

3.7.1 Justification of Delay

The project schedule shall clearly display that the Contractor has used, in full, all the float time available for the work involved with this request. The Contracting Officer's determination as to the number of allowable days of contract extension shall be based upon the project schedule updates in effect for the time period in question, and other factual information. Actual delays that are found to be caused by the Contractor's own actions, which result in the extension of the schedule, will not be a cause for a time extension to the contract completion date.

3.7.2 Submission Requirements –for time extension requests

The Contractor shall submit a comprehensive time analysis and justification for each “Request for Proposal” for a change in the contract, based upon the most recent approved schedule update at the time of the RFP issued. Such a time analysis and justification shall be in accordance with the requirements of other appropriate Contract Clauses and shall include, as a minimum:

- a. A subnet/fragnet of activities indicating all new change activities and the affect on existing schedule activities.
- b. A brief explanation of the causes of the change.
- c. An analysis of the overall impact the subnet/fragnet has when applied to the current-updated approved NAS schedule.

Activities impacted in each justification for change shall be identified by a unique activity code contained in the required data file.

Modifications to the contract

Unpriced, unilateral and bilateral (without agreement on time) modifications

Upon receipt of the signed SF 30, for un-priced and unilateral modifications (or bilateral modifications with agreement on costs without an agreement on time, the Contractor shall submit proposed schedule revisions (in the form of a proposed subnet/fragnet) to the Contracting Officer for approval, within 14 days of the SF 30 being issued. The proposed (subnet/fragnet) revisions to the schedule will be approved by the Contracting Officer prior to application of those changes within the project schedule.

Should the contractor fail or refuse to submit the provisions, the Contracting Officer may furnish the Contractor suggested (subnet/fragnet) revisions to the project schedule.

Upon receipt, the Contractor shall include these subnet/fragnet revisions in the project schedule.

If the Contractor has any objections to the revisions furnished by the Contracting Officer, the Contractor shall advise the Contracting Officer within 14 days of receipt of the revisions.

Regardless of the objections, the Contractor shall continue to update the schedule with the Contracting Officer's revisions until a mutual agreement on the revisions is reached.

If the Contractor fails to submit alternative revisions within 2 weeks of receipt of the Contracting officer's proposed revisions, the contractor will be deemed to have concurred with the Contracting Officer's proposed revisions. The proposed revisions will be the basis for an "equitable adjustment" for performance of the work.

Bilateral modifications shall be entered into the NAS schedule, utilizing the subnet/fragnet as agreed during negotiations, immediately after receipt of signed SF 30. Entries to the schedule must be approved by Contracting Officer.

All modifications subnets/fragnets shall be applied to the NAS schedule immediately in the sequence in which they were finalized (received signed SF 30). The modification with time extension shall result in new work activities entered adjacent to the critical path work activity affected by the modification.

Weather time extensions must be included monthly upon receipt of the written results of the monthly weather evaluation from the Contracting Officer.

Contractor falls behind the approved project schedule

If the Contractor falls behind its approved schedule, (behind the LS/LF cash flow curve or more than 15 work days of negative float) or performs the work in such a manner that the network diagram and mathematical analysis no longer indicate reasonable logic and duration for completion of the work by the current contract completion date, as determined by the Contracting Officer, the Contractor shall promptly provide a supplemental NAS recovery or completion schedule for completion by the current completion date, by reducing the remaining durations, revising logic, or adjusting resources onsite (in addition to the original approved NAS schedule) as approved by the Contracting Officer. The supplemental schedule shall be (resource loaded with crew size and productivity for each remaining activity, and indicating overtime, weekend work, double shifts needed to regain the schedule), in accordance with FAR 52.236-15, without additional cost to the Government. The supplement schedule shall not replace the original approved schedule as the official contract schedule. The original approved schedule shall be updated monthly (in addition to the supplemental schedule) and monitored by the contractor and the Contracting Officer to determine the effect of the supplemental schedule progress has on the contract progress to regain its rate of progress for timely completion as specified.

The Contractor shall not artificially improve its progress by revising the schedule logic restraints or shortening future work activity durations. The contractor may improve its progress by performing sequential work activities concurrently or by performing activities more quickly than planned, but such improvements shall be indicated on a supplement schedule and shall not be recorded on the official until they have actually been achieved by the contractor. The additional resources required to improve the progress must be evident on the work site.

Failure of the contractor to perform work and maintain progress in accordance with the supplemental recovery or completion schedule, may result in an interim and final unsatisfactory performance rating and/or may result in corrective action by the contraction officer in accordance with FAR 52.236-15.

- a. A list of affected activities, with their associated project schedule activity number.
- b A brief explanation of the causes of the change
- c. An analysis of the overall impact of the changes proposed
- d. Sub-network of the affected area

Activities impacted in each justification for change shall be identified by a unique activity code contained in the required data file.

3.7.3 Additional Submission Requirements

For any requested time extension of over 2 weeks, the Contracting Officer may request an interim update with revised activities for a specific change request. The Contractor shall provide this disk within 4 days of the Contracting Officer's request.

3.8 DIRECTED CHANGES

If the NTP is issued for changes prior to settlement of price and/or time, the Contractor shall submit proposed schedule revisions to the Contracting Officer: within 2 weeks of the NTP being issued. The proposed revisions to the schedule will be approved by the Contracting Officer prior to inclusion of those changes within the project schedule. If the Contractor fails to submit the proposed revisions, the Contracting Officer may furnish the Contractor with suggested revisions to the project schedule. The Contractor shall include these revisions in the project schedule until revisions are submitted, and final changes and impacts have been negotiated. If the Contractor has any objections to the revisions furnished by the Contracting Officer, the Contractor shall advise the Contracting Officer within 2 weeks of receipt of the revisions. Regardless of the objections, the Contractor shall continue to update the schedule with the Contracting Officer's revisions until a mutual agreement in the revisions is reached. If the Contractor fails to submit alternative revisions within 2 weeks of receipt of the Contracting Officer's proposed revisions, the Contractor will be deemed to have concurred with the Contracting Officer's proposed revisions. The proposed revisions will then be the basis for an equitable adjustment for performance of the work.

3.9 OWNERSHIP OF FLOAT

Float available in the schedule, at any time, shall not be considered for the exclusive use of either the Government or the Contractor.

End of Section

vehicles will be searched prior to gaining access to Beale AFB.

(5) This procedure for access to the construction work sites is subject to change at any given time as FPCON status increase or decrease.

(C) Construction Restraints

(1) Smoking is not allowed in the existing facility and is permitted only in designated areas.

(2) The Contractor shall furnish and erect construction fences and barricades where necessary to divert unauthorized traffic from the area and to separate and protect the construction site from unauthorized entrance or activity.

(3) To minimize interference of construction activity with the flow of traffic, the method and scheduling of required cutting, altering, and removal of existing roads, walks, and entrances must be approved by the Contracting Officer.

(4) Keep roads, walks, and entrances to parking and adjacent occupied buildings clear of construction materials, debris, and standing equipment and vehicles. Wherever excavation for new utility lines cross existing roads at least one lane must be open to traffic at all times.

(5) The Contractor shall protect existing utilities and maintain adequate storm drainage of the construction site. Temporary interruptions or shutdown of any utility or electrical/mechanical system shall be requested, in writing, from the Contracting Officer at least twenty-one (21) calendar days in advance prior to the desired time.

(a) No utility service such as water, gas, steam, fuel, sewers or electricity, or fire protection systems and communications systems may be interrupted without prior approval of the Contracting Officer.

(b) The Contractor shall submit a request to interrupt any such services to the Contracting Officer in writing, twenty-one (21) calendar days in advance of proposed interruption. The request shall state reason, date, exact time of, and approximate duration of such an interruption. Interruptions in utility services shall be of the shortest possible durations for the work at hand.

(c) Any utility outages must be conducted after normal working hours or on weekends.

(6) No equipment or vehicles shall be left on the streets, outside the Contractor's fenced areas, or blocking sidewalks during off-work hours.

(D) Construction Phasing

~~(1) During the life of this contract, the existing facilities will be required to continue to function and maintain its mission on base.~~

~~———— (2) Phase 1; Construction of New Kennel Building.~~

~~———— (3) Phase 2; New Kennel Building shall be occupied and demolition of existing Kennel building shall be performed.~~

~~(4) Phase 3; Construction of New Dormitory shall be performed.~~

(1) See Work Phase Summary, Section 01120 for description of work phases and durations.

(2) At the completion of each phase, the Contracting Officer and Contractor shall perform a pre-final inspection of the work of that phase and prepare a punch list. Punch list items must be corrected before final acceptance can take place. This inspection does not preclude the final, complete system review and acceptance by the Contracting Officer at project completion.

1.10 CONTRACTOR SAFETY PERSONNEL REQUIREMENTS (1985 JAN HQ USACE)

(A) Full-time, on-site, safety coverage by contractors shall be required for the life of the contract.

(B) The following conditions shall be met:

(1) The Contractor shall employ, to cover all hours of work at the project site(s), at least one safety and health person to manage the Contractor's safety program; duties which are not germane to the safety program shall not be assigned to this person(s). The principal safety and health person shall report to and work directly for the Contractor's top on-site manager, corporate safety office, or other high-level official of equivalent position. The safety and health person(s) shall have the authority to take immediate steps to correct unsafe or unhealthful conditions. The employment of a safety and health person(s) shall not abrogate the safety and health responsibilities of other personnel.

(2) Qualifications for Safety and Health Person(s).

(a) Safety and Health Person(s) shall have a degree in engineering or safety in at least a four year program from an accredited school and shall have been engaged in safety and occupational health for at least one (1) year of experience (no time being credited to this one (1) year unless at least fifty (50) percent of the time was devoted to safety and occupational health) and shall have at least one (1) year experience in construction, or--

(b) Safety and Health Person(s) shall have legal registration as a Professional Engineer or a Certified Safety Professional and shall have been engaged in safety and occupational health for at least one (1) year of experience (no time being credited to this one (1) year unless at least fifty (50) percent of the time was devoted to safety and occupational health) and shall have at least one (1) year experience in construction, or--

(c) Safety and Health Person(s) shall have a degree other than that specified in paragraph, Qualifications for Safety and Health Person(s) above, and shall have been engaged in safety and occupational health for at least three (3) years of experience (no time being credited to these three (3) years unless at least fifty (50) percent of the time each year was devoted to safety and occupational health) and shall have at least two (2) years experience in construction, or--

(d) In lieu of a degree, Safety and Health person(s) shall have been engaged in safety and occupational health for at least five (5) years

8 CCR, CHAPTER 4, SUBCHAPTER 7 General Safety Orders
 8 CCR, CHAPTER 4, SUBCHAPTER 4 Construction Safety Orders
 8 CCR, CHAPTER 4, SUBCHAPTER 4, Article 31
 Demolition

1.2 GENERAL REQUIREMENTS

1.2.1 Special Conditions

The Contractor is advised that lead-based paint, a lead contaminated structure, and/or asbestos-containing materials is present in the buildings to be demolished.

1.2.2 Asbestos Results

Sample Location	Sample Description	ACM Content
Kitchen Area	Green Floor Tile	5-10% Chrysotile
Entrance wall behind light face plate	Sheetrock and joint compound	No ACM
Interior Wall - Behind desk	Wall texturing	No ACM
Front Window	White window putty	No ACM
Interior Wall	Sheetrock and Joint Compound	No ACM
Kitchen Area Wall	Sheetrock and Joint Compound	No ACM

~~No ACM Required to Linoleum shall be removed prior to demolition. All other materials shall be demolished in place and discarded as construction debris, including those components that have Lead based paint on them.~~

1.2.2.1 California Contractor's License

The Contractor and subcontractors shall have the appropriate California Contractor's License and certification to perform each phase of the work.

1.2.3 General Conditions

Do not begin demolition until authorization is received from the Contracting Officer. Remove rubbish and debris from the project site; do not allow accumulations inside or outside the building. The work includes demolition, salvage of identified items and materials, and removal of resulting rubbish and debris. Rubbish and debris shall be removed from Government property daily, unless otherwise directed, to avoid accumulation at the demolition site. Materials that cannot be removed daily shall be stored in areas specified by the Contracting Officer. In the interest of occupational safety and health, the work shall be performed in accordance with EM 385-1-1, Section 23, Demolition, and other applicable Sections.

1.3 SUBMITTALS

Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are for information only or as otherwise designated. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-03 Product Data

Work Plan; G, RO

The procedures proposed for the accomplishment of the work. The

bracing, shoring, or lateral support to prevent collapse or failure while workmen remove debris or perform other work in the immediate area.

1.7 BURNING

The use of burning at the project site for the disposal of refuse and debris will not be permitted .

1.8 RELOCATIONS

Perform the removal and reinstallation of relocated items as indicated (false fire hydrant in dog exercise yard and dog training devices in dog training yard) with workmen skilled in the trades involved. Repair items to be relocated which are damaged or replace damaged items with new undamaged items as approved by the Contracting Officer at no additional expense to the Government.

1.9 REQUIRED DATA

Demolition plan shall include procedures for coordination with other work in progress, a disconnection schedule of utility services, a detailed description of methods and equipment to be used for each operation and of the sequence of operations. Include statements affirming Contractor inspection of the existing roof deck and its suitability to perform as a safe working platform or if inspection reveals a safety hazard to workers, state provisions for securing the safety of the workers throughout the performance of the work.

1.10 ENVIRONMENTAL PROTECTION

The work shall comply with the requirements of Section 01355 ENVIRONMENTAL PROTECTION.

1.11 USE OF EXPLOSIVES

Use of explosives will not be permitted.

1.12 AVAILABILITY OF WORK AREAS

All areas in which work is to be accomplished will be released to the Contractor to start salvage/demolition whereupon the Contractor shall have full control of progress of demolition, salvage, removal, and clearing work for that area. The Contractor shall schedule removal of all material containing asbestos (carpet and its mastic, floor tile and its mastic, ~~and linoleum and its mastic~~) and lead base paint (painted trim wood) and utility disconnections prior to the start of material salvage and building demolition.

PART 2 PRODUCTS

Not used.

PART 3 EXECUTION

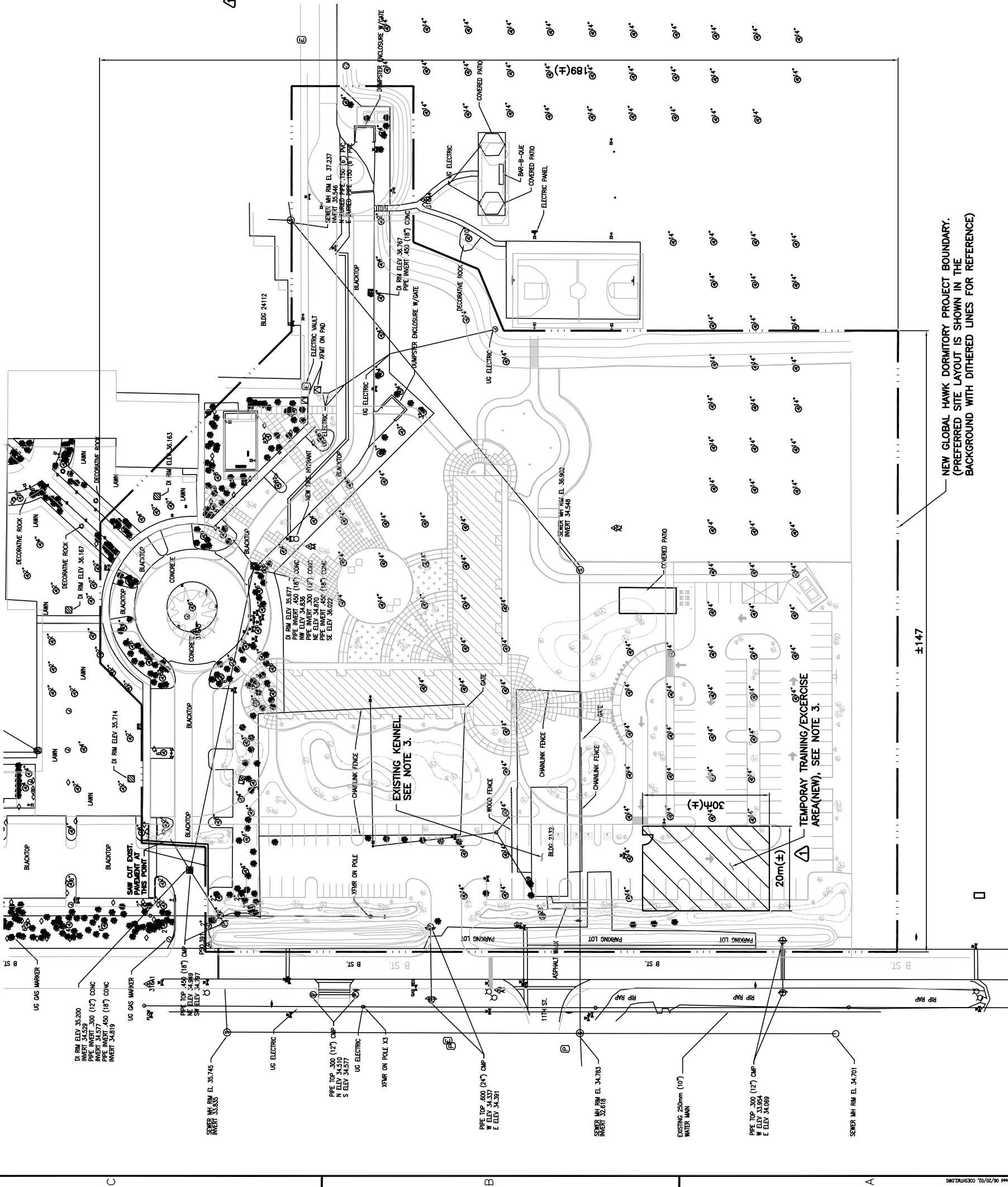
3.1 EXISTING FACILITIES TO BE REMOVED

3.1.1 Structures

The existing structures shall be removed completely, including removal of concrete stoops at exterior doors, concrete slabs on grade, concrete

GENERAL DEMOLITION NOTES:

1. ALL EXISTING UTILITIES, STRUCTURES, FENCES, PAVEMENT, CURBS, SIDEWALKS, PARKING LOT, ETC., WITHIN THE BOUNDARY OF NEW GLOBAL HAWK DORMITORY SITE AS SHOWN ON THIS SHEET SHALL BE REMOVED/RELOCATED AS REQUIRED, U.O.N. THE ITEMS TO BE REMOVED/RELOCATED FOR THE FINAL SITE DESIGN SHALL BE INDICATED ON THE FINAL DEMOLITION PLAN(S) FOR APPROVAL BY CONTRACTING OFFICER PRIOR TO DEMOLITION. SEE LANDSCAPE PLAN(S) FOR ADDITIONAL DEMOLITION REQUIRED FOR THE SITE. CONTRACTOR (DESIGN-BUILD) SHALL PERFORM ADDITIONAL SURVEY AS REQUIRED FOR THE FINAL DESIGN.
2. CONTRACTOR SHALL REMOVE THE INOPERABLE FIRE HYDRANTS IN THE EXISTING KENNEL TRAINING/EXERCISE AREA, AND TRANSPORT THEM TO NEW KENNEL TO BE REUSED.
3. THE EXISTING MWD KENNEL (BLDG 2132) SHALL BE REMAIN FUNCTIONAL UNTIL THE NEW KENNEL CONSTRUCTION IS COMPLETED AND FULLY OPERATIONAL. A TEMPORARY TRAINING/EXERCISE AREA FOR MWD SHALL BE CONSTRUCTED AT THE LOCATION SHOWN WITH THE SIZE INDICATED PRIOR TO DEMOLITION OF EXISTING TRAINING AND EXERCISE YARDS (THE EXACT LOCATION TO BE COORDINATED WITH THE KENNEL MASTER THROUGH CONTRACTING OFFICER). THE CONTRACTOR SHALL NOTIFY THE KENNEL MASTER THE DEMOLITION OF EXISTING YARDS AND FENCES A MINIMUM OF THREE (3) WEEKS PRIOR TO START OF DEMOLITION. THE FENCE FOR THE TEMPORARY TRAINING/EXERCISE AREA SHALL BE 3 METERS (10 FT) IN HEIGHT WITH A 2.44-METER (8 FT.) WIDE GATE IN NORTHEAST CORNER. THE CONTRACTOR MAY REUSE THE EXISTING FENCE FABRICS AND GATES. THE TEMPORARY FENCE SHALL BE REMOVED AT THE SAME TIME THE EXISTING KENNEL (BLDG 2132) IS DEMOLISHED.



US Army Corps
of Engineers
Sacramento District

Sheet	Revised note and drawing for Temporary Dog Training/Exercise Area	Description	Date	Approved
1/1/03	11/20/03	AS/NOTED		

22 SEPT 2003	Date:	131-25-1333	Design File no:	305	Drawing Code:	File name:	B33C-110rev11.19.03	Proj. code:	11/20/03	11/20/03	11/20/03
1319	Spec. No.:	1319	Spec. No.:	1319	Spec. No.:	1319	Spec. No.:	1319	Spec. No.:	1319	Spec. No.:
1319	Spec. No.:	1319	Spec. No.:	1319	Spec. No.:	1319	Spec. No.:	1319	Spec. No.:	1319	Spec. No.:

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
SACRAMENTO, CALIFORNIA
95814-2922

BEALE AIR FORCE BASE
GLOBAL HAWK DORMITORY (96 PERSON)
BUILDING 24109
PM BAEV051001
EXISTING UTILITIES &
DEMOLITION PLAN

Sheet
reference
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